

**FLORENCE COPPER INC.**

1575 W. Hunt Highway, Florence, Arizona 85132 USA

[florencecopper.com](http://florencecopper.com)

July 28, 2021

U.S. Environmental Protection Agency, Region 9  
Drinking Water Protection Section (WTR 4-2)  
75 Hawthorne Street  
San Francisco, California 94105

Attention: David Albright, Manager, Ground Water Office

Subject: Second Quarter 2021 Monitoring Report  
Underground Injection Control (UIC) Permit No. R9UIC-AZ3-FY11-1

Dear Mr. Albright:

Florence Copper Inc. (Florence Copper) is regulated under UIC Permit No. R9UIC-AZ3-FY11-1, issued December 20, 2016, for a Production Test Facility (PTF). The facility began active operations on December 15, 2018. The rinsing demonstration for the PTF began on June 26, 2020. This report outlines the reporting requirements in accordance with Part II.G.2 of that Permit.

## Background Information

The Florence Copper Project is an in-situ copper extraction facility subject to two related permits issued by the U.S. Environmental Protection Agency (USEPA) and the Arizona Department of Environmental Quality (ADEQ).

### **Aquifer Protection Permit (APP) Covering the 1997-98 BHP Pilot Facilities and Future Operations (Sitewide APP):**

- ADEQ APP No. P-101704 (LTF 88973) dated April 30, 2021.

Prior to the amended permit issued on December 8, 2020, the Florence Copper Project was regulated under APP No. P-101704 (LTF 65804) dated October 13, 2017.

A test wellfield, a small leachate processing facility, and a double-lined evaporation pond were constructed as authorized by APP No. P-101704 in 1997. The Pilot Test Facility operated from October 31, 1997 to February 9, 1998. The test area was rinsed until September 1, 2004. Cessation of hydraulic control for testing was approved by both agencies and the wellfield has since remained inactive. Subsequently, no Sitewide permit related activities took place until the issuance of the amended permit on December 8, 2020. The authorized facilities and monitoring wells are identified on Figure 1. Reporting required by APP No. P-101704 is provided under separate cover; however, some information pertains to multiple permits and is reported accordingly.

## **Underground Injection Control (UIC) Permit Covering the Current Production Test Facility:**

- USEPA UIC Permit No. R9UIC-AZ3-FY11-1 dated December 20, 2016.

This permit authorizes operation of the PTF and sets forth separate monitoring requirements to be applied at the PTF, which lies within the area covered by the APP. The UIC facilities and monitoring wells are identified on Figure 1. The configuration of the PTF wellfield is shown on Figure 2. The facility received authorization to proceed with pre-operational activities on July 13, 2017, and the PTF wellfield was completed and began operations on December 15, 2018. The rinsing activities for the PTF began on June 26, 2020. Solutions from the wellfield continued to be processed through the Solvent Extraction/Electrowinning (SX/EW) plant to produce copper in Q4 until October 29, 2020. Wellfield rinsing activities will continue in 2021.

This report documents monitoring activities required by the UIC permit during Q2 2021. Reporting for the APP is performed separately; however, some information pertains to multiple permits and is reported accordingly.

## **PTF Operations Quarterly Reporting**

### **■ Part II.G.2.a – Map of Operational Status and Groundwater Contours**

The monthly groundwater contour maps are included as Attachment 1. The operational status of the PTF facility was ACTIVE during Q2 2021.

### **■ Part II.G.2.b – Table and Graphs of Injected and Recovered Volumes**

The daily cumulative injection and recovery volumes, and the daily percent recovery to injection volume values, are provided in tabular and graphical format in Attachment 2. Throughout Q2 2021, the extracted volume has consistently exceeded the injected volume by 10 percent or more, and the monthly average injection rate remained below the 240 gallons per minute limit.

### **■ Part II.G.2.c – Table and Graphs of the Well Head Measurements in the PTF**

The daily average head measurement values for the observation wells and recovery wells are provided in tabular and graphical format in Attachment 3. The hydraulic gradient has been maintained with a greater than 1-foot differential as a daily average for all paired wells throughout Q2 2021.

### **■ Part II.G.2.d – Table and Graphs of Fluid Electrical Conductivity Measurements**

Fluid electrical conductivity (EC) values are provided in tabular and graphical format in Attachment 4. As expected, fluid EC in the injection and observation wells were comparable during the monitoring period. Throughout the monitoring period the PTF wellfield was being rinsed, and no injection of in-situ copper recovery fluids took place.

### **■ Part II.G.2.e – Table and Graphs of Bulk Electrical Conductivity Measurements**

Bulk EC values are provided in tabular and graphical format in Attachment 5. No bulk EC alert level (AL) exceedances occurred during Q2 2021.

### **■ Part II.G.2.f – Table and Graphs of Monitor Well Water Levels and Analytical Results**

The Q2 2021 Compliance Monitoring Report is provided in Attachment 6 and presents the tabular results of groundwater elevations, analytical results, field parameters, and ALs and aquifer quality limits for wells regulated under the UIC permit and APP. The Compliance Monitoring Report also provides a narrative summary of the Q2 2021 monitoring activities, a discussion of exceedances, and graphical presentation of monitoring results for a select set of parameters since the inception of monitoring.

- **Part II.G.2.g – Results of Monthly Lixiviant Organic Analysis**

The analytical results for monthly lixiviant organic analysis are provided in tabular format in Attachment 7. The monthly organic concentrations were below the AL throughout Q2 2021.

- **Part II.G.2.h – Results of Monitoring Required if Injection Fluid is Modified**

During Q2 2021, the rinsing activities continued in the PTF. No modifications were made to the injection fluid composition during this monitoring period. Routine monthly analysis of the raffinate was completed during Q2 2021 and will continue during the rinsing demonstration.

- **Part II.G.2.i – Results of Mechanical Integrity Testing**

Temperature logging of multi-level sampling wells WB-01, WB-02, WB-03, and WB-04 was conducted during Q2 2021 to demonstrate mechanical integrity. A summary of results is provided in Attachment 8. Temperature logs in each of the four multi-level sampling wells showed no anomalies that would indicate there is flow behind the well casings. A report discussing the temperature logging of the wells has been provided to USEPA under separate cover.

- **Part II.G.2.j – Results of Annular Conductivity Device (ACD) Monitoring**

The results of the Q2 2021 well bore annular EC monitoring are provided in Attachment 9. Annular EC readings have remained approximately constant or increased slightly in 8 of the 11 wells since monitoring began in Q3 2018. Annular EC has decreased in wells WB-04, O-02, and O-04 during that same time. The results of the monitoring indicate the absence of injected fluid at the ACD locations. No ALs have been exceeded.

- **Part II.G.2.k – Summary of Plugging and Abandonment Activity**

No wells associated with this permit were abandoned during Q2 2021 or are currently anticipated to be abandoned; therefore, no abandonment report is included for this monitoring period. For future quarterly compliance reports, the Well Abandonment Report will be provided in Attachment 10.

- **Part II.G.2.l – Summary of Closure Operations**

The SX/EW plant ceased operation on October 29, 2020. Wellfield rinsing that began in 2020 has continued through Q2 2021. Wellfield rinsing has continued through Q2 2021. No closure activities were initiated in this monitoring period.

- **Part II.G.2.m – Table of Monthly Casing Annulus and Injection Pressures**

Monthly maximum, minimum, and average injection pressures are provided in Attachment 11. There were no exceedances of the injection pressure limit during Q2 2021.

- **Part II.G.2 – Analytical Results for Monthly Treated Water Samples**

Monthly analytical results for samples of the treated water are provided in Attachment 12.

- **Appendix H – Migratory Bird Landings and Mortality**

Daily inspection of the Process Solution Impoundment was conducted to record any migratory bird landings and/or identify any migratory bird mortality. As summarized in Attachment 13, no bird mortalities were observed during Q2 2021.

Please call (520) 316-3710 with any questions regarding the content of this document.

Sincerely,  
**Florence Copper Inc.**

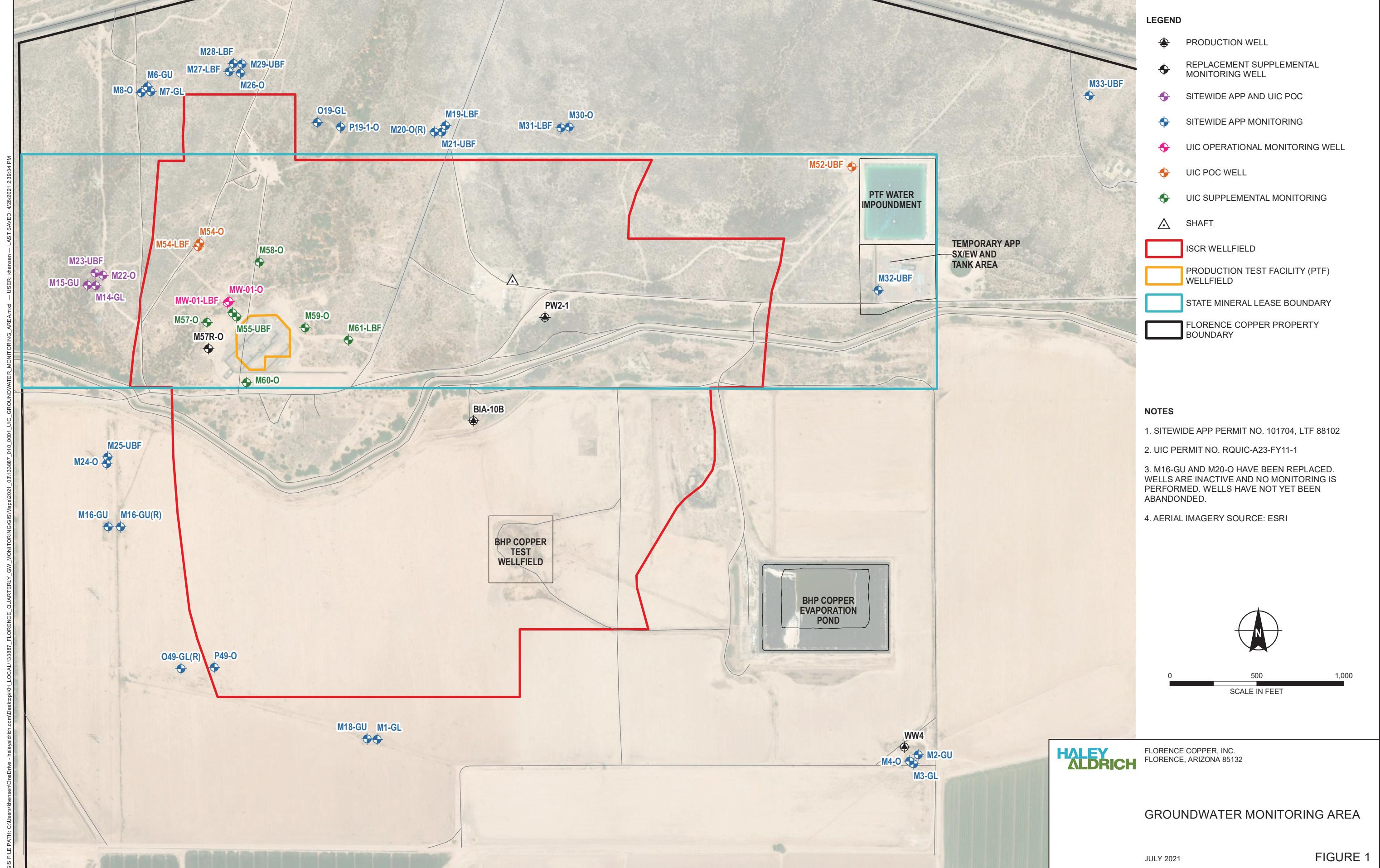


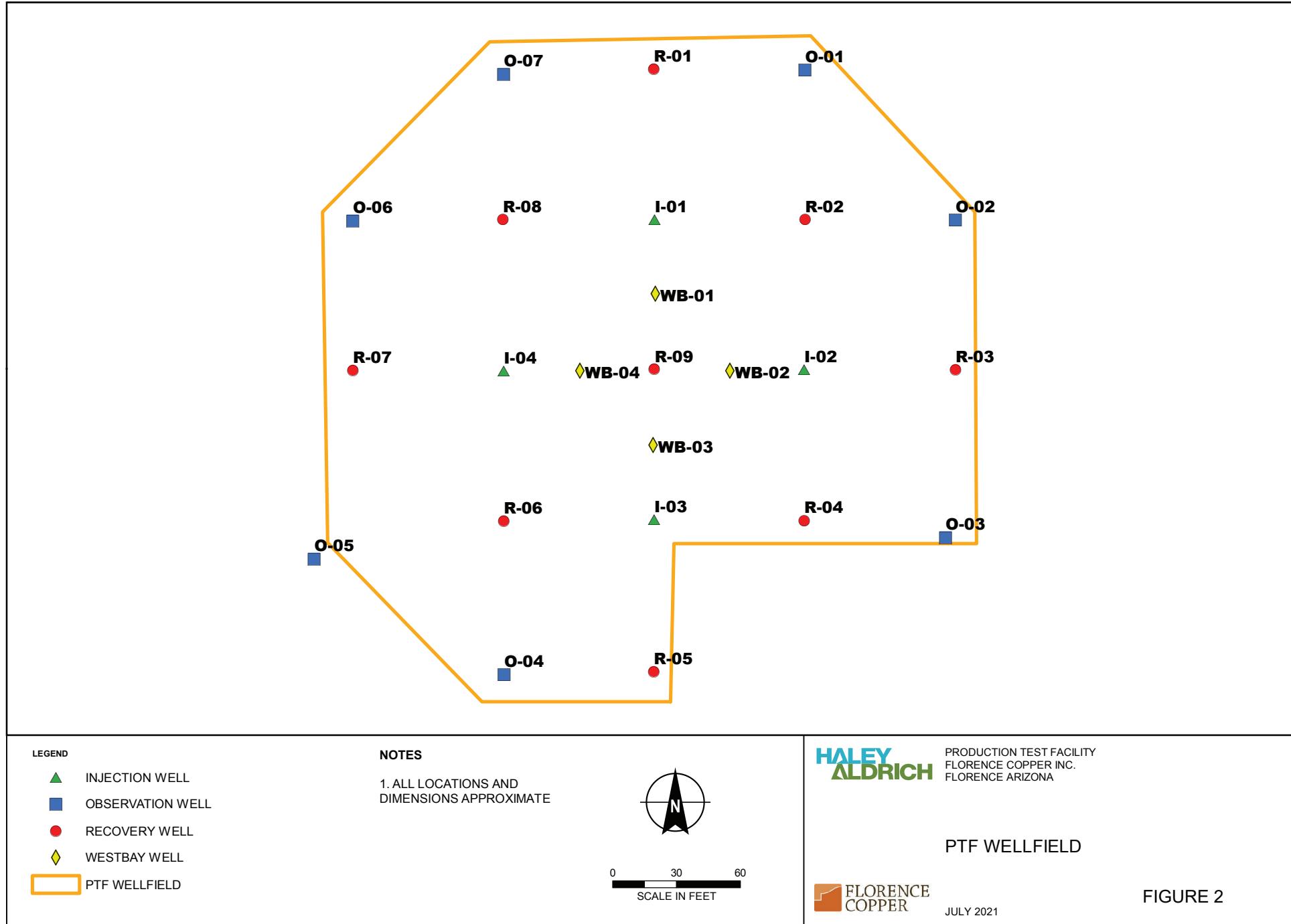
Brent Berg  
General Manager

Enclosures:

- Figure 1 – Groundwater Monitoring Area
- Figure 2 – PTF Wellfield
- Attachment 1 – Map of Operational Status and Groundwater Contours
- Attachment 2 – Table and Graphs of Injected and Recovered Volumes
- Attachment 3 – Table and Graphs of the Well Head Measurements in the Production Test Facility
- Attachment 4 – Table and Graphs of Fluid Electrical Conductivity Measurements
- Attachment 5 – Table and Graphs of Bulk Electrical Conductivity Measurements
- Attachment 6 – Table and Graphs of Monitor Well Water Levels and Analytical Results
- Attachment 7 – Results of Monthly Lixiviant Organic Analysis
- Attachment 8 – Results of Mechanical Integrity Testing
- Attachment 9 – Results of Annular Conductivity Device Monitoring
- Attachment 10 – Summary of Plugging and Abandonment
- Attachment 11 – Table of Monthly Casing Annulus and Injection Pressures
- Attachment 12 – Results for Monthly Treated Water Samples
- Attachment 13 – Migratory Bird Landings

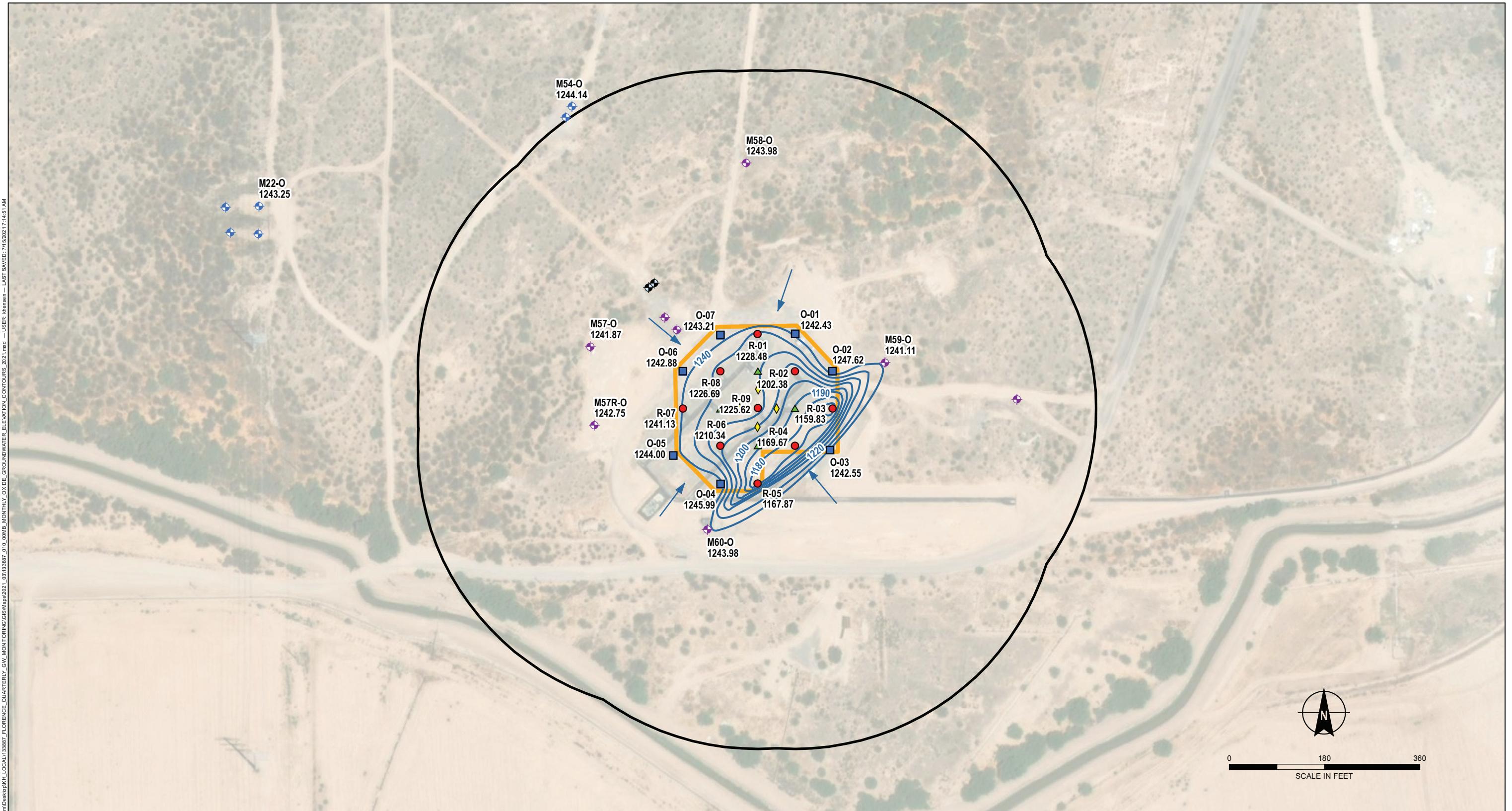
## **FIGURES**





**ATTACHMENT 1**

**Map of Operational Status and Groundwater Contours**



3DS FILE PATH: C:\Users\shenshen\OneDrive - haley.adrich.com\Desktop\KHL\_LOCAL\133887\_\FLORENCE\_QUARTERLY\_GW\_MONITORING\GISMaps\2021\_0313\_3887\_010\_00MB\_MONTHLY\_OXIDE\_GROUNDWATER\_ELEVATION\_COUTOURS\_2021.mxd — USER: khensh — LAST SAVED: 7/15/2021 17:45:51 AM

## LEGEND

- OBSERVATION WELL
  - INJECTION WELL
  - RECOVERY WELL
  - WESTBAY WELL
  - POINT OF COMPLIANCE (POC) WELL
  - SUPPLEMENTAL MONITORING WELL
  - OPERATIONAL MONITORING WELL
  - GROUNDWATER ELEVATION CONTOUR  
10-FT INTERVAL
  - GROUNDWATER FLOW DIRECTION
  - POLLUTANT MANAGEMENT AREA

PRODUCTION TEST FACILITY (PTF)  
WELL FIELD

WELL ID  
M6  
12  
GROUNDWATER ELEVATION

NOTE

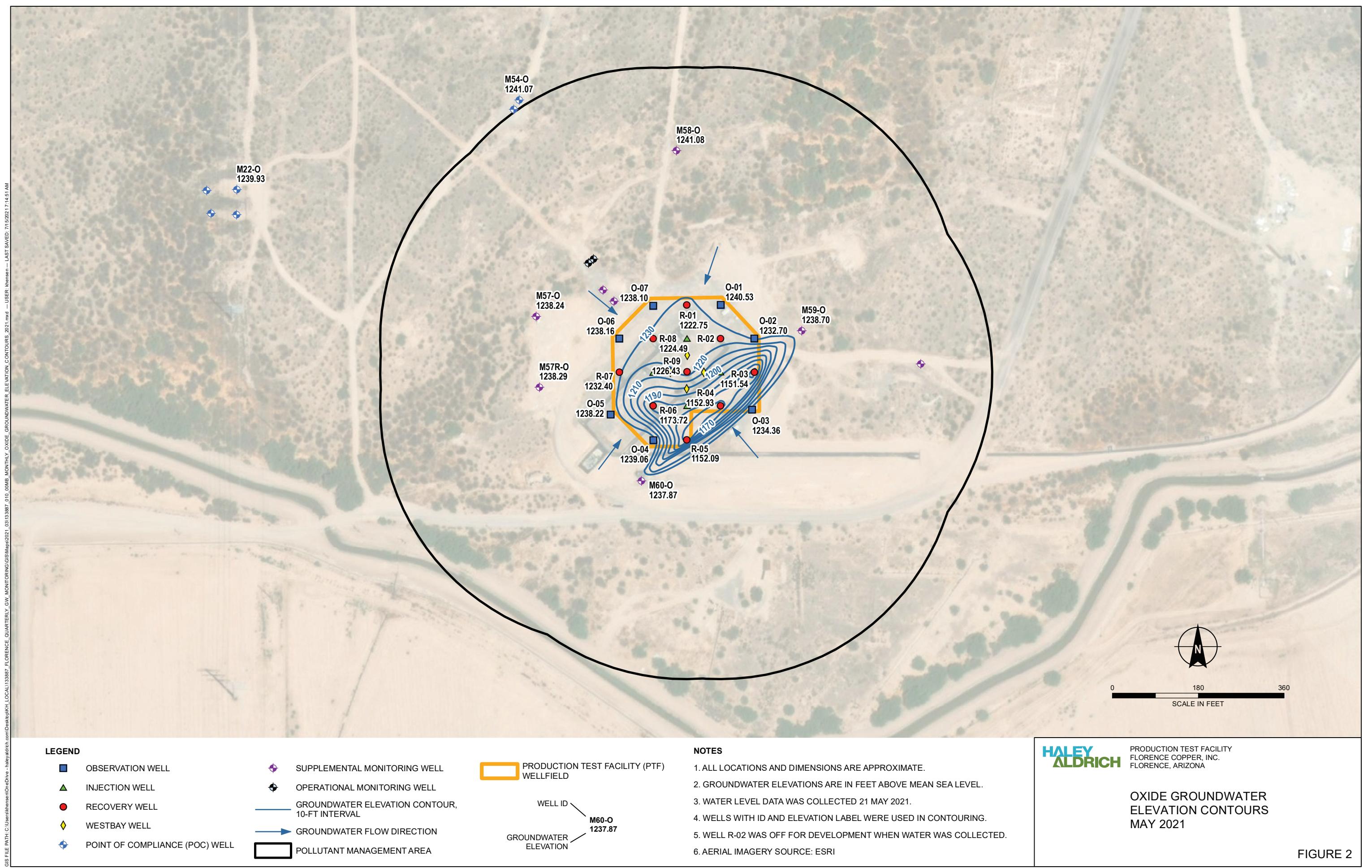
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
  2. GROUNDWATER ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
  3. WATER LEVEL DATA WAS COLLECTED 13 APRIL 2021.
  4. WELLS WITH ID AND ELEVATION LABEL WERE USED IN CONTOURING.
  5. AERIAL IMAGERY SOURCE: ESRI

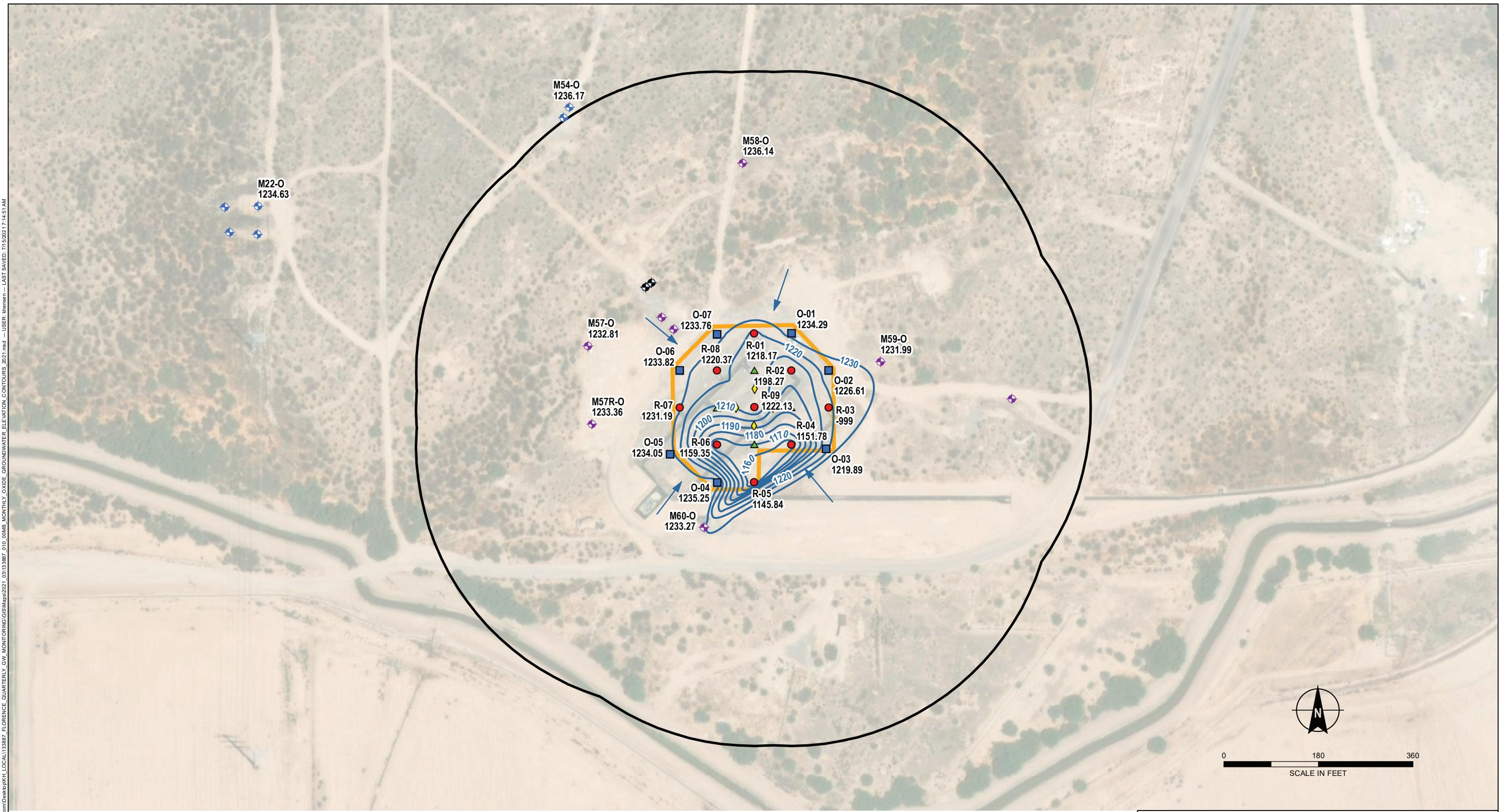
**HALEY  
ALDRICH**

**PRODUCTION TEST FACILITY  
FLORENCE COPPER, INC.  
FLORENCE, ARIZONA**

# OXIDE GROUNDWATER ELEVATION CONTOURS APRIL 2021

**FIGURE 1**





**LEGEND**

- OBSERVATION WELL
- ▲ INJECTION WELL
- RECOVERY WELL
- ◆ WESTBAY WELL
- ◆ POINT OF COMPLIANCE (POC) WELL
- ◆ SUPPLEMENTAL MONITORING WELL
- ◆ OPERATIONAL MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR, 10-FT INTERVAL
- GROUNDWATER FLOW DIRECTION
- POLLUTANT MANAGEMENT AREA

PRODUCTION TEST FACILITY (PTF)  
WELLFIELD

WELL ID  
M60-O  
1233.27

GROUNDWATER ELEVATION

**NOTES**

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. GROUNDWATER ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL.
3. WATER LEVEL DATA WAS COLLECTED 4 JUNE 2021.
4. WELLS WITH ID AND ELEVATION LABEL WERE USED IN CONTOURING.
5. WELL R-02 WAS OFF FOR DEVELOPMENT WHEN WATER WAS COLLECTED.
6. AERIAL IMAGERY SOURCE: ESRI

**HALEY ALDRICH**

PRODUCTION TEST FACILITY  
FLORENCE COPPER, INC.  
FLORENCE, ARIZONA

OXIDE GROUNDWATER  
ELEVATION CONTOURS  
JUNE 2021

FIGURE 3

## **ATTACHMENT 2**

### **Table and Graphs of Injected and Recovered Volumes**

**Q2 2021 DAILY INJECTION AND RECOVERY  
VOLUMES WITH PERCENT RECOVERY**  
FLORENCE COPPER INC.  
FLORENCE, ARIZONA

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**Table 1. April 2021 Daily Injection and Recovery Volumes**

| Date                | Daily Injection Volume (gallons) | Daily Recovery Volume (gallons) | Ratio Recovery/Injection | % Recovery |
|---------------------|----------------------------------|---------------------------------|--------------------------|------------|
| 4/1/2021            | 155,400                          | 173,100                         | 1.11                     | 111        |
| 4/2/2021            | 158,400                          | 173,500                         | 1.10                     | 110        |
| 4/3/2021            | 155,400                          | 173,000                         | 1.11                     | 111        |
| 4/4/2021            | 155,900                          | 173,000                         | 1.11                     | 111        |
| 4/5/2021            | 155,600                          | 173,700                         | 1.12                     | 112        |
| 4/6/2021            | 155,600                          | 174,100                         | 1.12                     | 112        |
| 4/7/2021            | 156,300                          | 173,300                         | 1.11                     | 111        |
| 4/8/2021            | 156,200                          | 173,500                         | 1.11                     | 111        |
| 4/9/2021            | 155,300                          | 173,500                         | 1.12                     | 112        |
| 4/10/2021           | 155,800                          | 173,400                         | 1.11                     | 111        |
| 4/11/2021           | 155,600                          | 173,600                         | 1.12                     | 112        |
| 4/12/2021           | 155,800                          | 173,500                         | 1.11                     | 111        |
| 4/13/2021           | 155,300                          | 173,200                         | 1.12                     | 112        |
| 4/14/2021           | 155,300                          | 174,300                         | 1.12                     | 112        |
| 4/15/2021           | 154,900                          | 173,700                         | 1.12                     | 112        |
| 4/16/2021           | 156,200                          | 173,400                         | 1.11                     | 111        |
| 4/17/2021           | 156,000                          | 173,700                         | 1.11                     | 111        |
| 4/18/2021           | 155,500                          | 173,200                         | 1.11                     | 111        |
| 4/19/2021           | 157,000                          | 174,900                         | 1.11                     | 111        |
| 4/20/2021           | 156,100                          | 173,800                         | 1.11                     | 111        |
| 4/21/2021           | 155,200                          | 175,600                         | 1.13                     | 113        |
| 4/22/2021           | 157,200                          | 177,000                         | 1.13                     | 113        |
| 4/23/2021           | 157,400                          | 178,000                         | 1.13                     | 113        |
| 4/24/2021           | 156,400                          | 176,800                         | 1.13                     | 113        |
| 4/25/2021           | 156,500                          | 178,900                         | 1.14                     | 114        |
| 4/26/2021           | 156,600                          | 179,400                         | 1.15                     | 115        |
| 4/27/2021           | 154,700                          | 178,400                         | 1.15                     | 115        |
| 4/28/2021           | 158,000                          | 178,900                         | 1.13                     | 113        |
| 4/29/2021           | 157,300                          | 180,000                         | 1.14                     | 114        |
| 4/30/2021           | 156,500                          | 179,800                         | 1.15                     | 115        |
| <b>APR Averages</b> | <b>156,113</b>                   | <b>175,140</b>                  | <b>1.12</b>              | <b>112</b> |

| APR Averages | Monthly Average Injection Volume (GPM) | Monthly Average Recovery Volume (GPM) |
|--------------|--|---------------------------------------|
|              | 108                                    | 122                                   |

**Notes:**

% = percent

GPM = gallons per minute

**Q2 2021 DAILY INJECTION AND RECOVERY  
VOLUMES WITH PERCENT RECOVERY**  
FLORENCE COPPER INC.  
FLORENCE, ARIZONA

Page 2 of 3

**Table 2. May 2021 Daily Injection and Recovery Volumes**

| Date                | Daily Injection Volume (gallons) | Daily Recovery Volume (gallons) | Ratio Recovery/Injection | % Recovery |
|---------------------|----------------------------------|---------------------------------|--------------------------|------------|
| 5/1/2021            | 158,500                          | 179,700                         | 1.13                     | 113        |
| 5/2/2021            | 156,000                          | 177,800                         | 1.14                     | 114        |
| 5/3/2021            | 155,200                          | 178,300                         | 1.15                     | 115        |
| 5/4/2021            | 161,200                          | 180,300                         | 1.12                     | 112        |
| 5/5/2021            | 160,700                          | 179,300                         | 1.12                     | 112        |
| 5/6/2021            | 160,900                          | 178,600                         | 1.11                     | 111        |
| 5/7/2021            | 181,300                          | 203,800                         | 1.12                     | 112        |
| 5/8/2021            | 187,500                          | 213,400                         | 1.14                     | 114        |
| 5/9/2021            | 188,700                          | 213,500                         | 1.13                     | 113        |
| 5/10/2021           | 187,900                          | 213,300                         | 1.14                     | 114        |
| 5/11/2021           | 187,100                          | 214,800                         | 1.15                     | 115        |
| 5/12/2021           | 184,500                          | 211,900                         | 1.15                     | 115        |
| 5/13/2021           | 184,200                          | 211,600                         | 1.15                     | 115        |
| 5/14/2021           | 184,100                          | 211,200                         | 1.15                     | 115        |
| 5/15/2021           | 185,100                          | 210,500                         | 1.14                     | 114        |
| 5/16/2021           | 184,500                          | 207,100                         | 1.12                     | 112        |
| 5/17/2021           | 184,600                          | 208,400                         | 1.13                     | 113        |
| 5/18/2021           | 181,100                          | 208,300                         | 1.15                     | 115        |
| 5/19/2021           | 182,800                          | 208,900                         | 1.14                     | 114        |
| 5/20/2021           | 183,100                          | 208,241                         | 1.14                     | 114        |
| 5/21/2021           | 184,500                          | 208,893                         | 1.13                     | 113        |
| 5/22/2021           | 183,800                          | 207,980                         | 1.13                     | 113        |
| 5/23/2021           | 184,400                          | 207,700                         | 1.13                     | 113        |
| 5/24/2021           | 183,800                          | 208,900                         | 1.14                     | 114        |
| 5/25/2021           | 192,400                          | 220,600                         | 1.15                     | 115        |
| 5/26/2021           | 199,300                          | 227,300                         | 1.14                     | 114        |
| 5/27/2021           | 198,400                          | 227,400                         | 1.15                     | 115        |
| 5/28/2021           | 198,300                          | 227,600                         | 1.15                     | 115        |
| 5/29/2021           | 198,600                          | 227,300                         | 1.14                     | 114        |
| 5/30/2021           | 198,600                          | 227,500                         | 1.15                     | 115        |
| 5/31/2021           | 198,000                          | 227,300                         | 1.15                     | 115        |
| <b>MAY Averages</b> | <b>182,552</b>                   | <b>207,659</b>                  | <b>1.14</b>              | <b>114</b> |

| MAY Averages | Monthly Average Injection Volume (GPM) | Monthly Average Recovery Volume (GPM) |
|--------------|--|---------------------------------------|
|              | 127                                    | 144                                   |

**Notes:**

% = percent

GPM = gallons per minute

## VOLUMES WITH PERCENT RECOVERY

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 3. June 2021 Daily Injection and Recovery Volumes

| Date                | Daily Injection Volume<br>(gallons) | Daily Recovery Volume<br>(gallons) | Ratio<br>Recovery/Injection | % Recovery |
|---------------------|-------------------------------------|------------------------------------|-----------------------------|------------|
| 6/1/2021            | 194,500                             | 227,800                            | 1.17                        | 117        |
| 6/2/2021            | 199,000                             | 227,900                            | 1.15                        | 115        |
| 6/3/2021            | 199,400                             | 227,900                            | 1.14                        | 114        |
| 6/4/2021            | 198,400                             | 228,800                            | 1.15                        | 115        |
| 6/5/2021            | 198,900                             | 228,800                            | 1.15                        | 115        |
| 6/6/2021            | 199,300                             | 227,700                            | 1.14                        | 114        |
| 6/7/2021            | 198,000                             | 227,500                            | 1.15                        | 115        |
| 6/8/2021            | 201,100                             | 229,100                            | 1.14                        | 114        |
| 6/9/2021            | 197,400                             | 227,700                            | 1.15                        | 115        |
| 6/10/2021           | 199,300                             | 227,200                            | 1.14                        | 114        |
| 6/11/2021           | 199,200                             | 229,400                            | 1.15                        | 115        |
| 6/12/2021           | 198,100                             | 228,000                            | 1.15                        | 115        |
| 6/13/2021           | 197,800                             | 227,300                            | 1.15                        | 115        |
| 6/14/2021           | 195,300                             | 222,040                            | 1.14                        | 114        |
| 6/15/2021           | 199,100                             | 234,500                            | 1.18                        | 118        |
| 6/16/2021           | 197,500                             | 228,500                            | 1.16                        | 116        |
| 6/17/2021           | 197,500                             | 223,700                            | 1.13                        | 113        |
| 6/18/2021           | 197,400                             | 223,100                            | 1.13                        | 113        |
| 6/19/2021           | 197,000                             | 223,700                            | 1.14                        | 114        |
| 6/20/2021           | 197,200                             | 223,500                            | 1.13                        | 113        |
| 6/21/2021           | 197,300                             | 222,800                            | 1.13                        | 113        |
| 6/22/2021           | 196,900                             | 222,900                            | 1.13                        | 113        |
| 6/23/2021           | 197,800                             | 222,700                            | 1.13                        | 113        |
| 6/24/2021           | 198,000                             | 222,600                            | 1.12                        | 112        |
| 6/25/2021           | 202,800                             | 226,900                            | 1.12                        | 112        |
| 6/26/2021           | 203,700                             | 229,300                            | 1.13                        | 113        |
| 6/27/2021           | 203,800                             | 228,900                            | 1.12                        | 112        |
| 6/28/2021           | 203,800                             | 227,300                            | 1.12                        | 112        |
| 6/29/2021           | 203,900                             | 229,200                            | 1.12                        | 112        |
| 6/30/2021           | 204,500                             | 229,200                            | 1.12                        | 112        |
| <b>MAR Averages</b> | <b>199,130</b>                      | <b>226,865</b>                     | <b>1.14</b>                 | <b>114</b> |

| JUN Averages | Monthly Average Injection<br>Volume (GPM) | Monthly Average Recovery<br>Volume (GPM) |
|--------------|---|--|
|              | 138                                       | 158                                      |

**Notes:**

% = percent

GPM = gallons per minute

Figure 1. Injection vs. Recovery Volumes - April

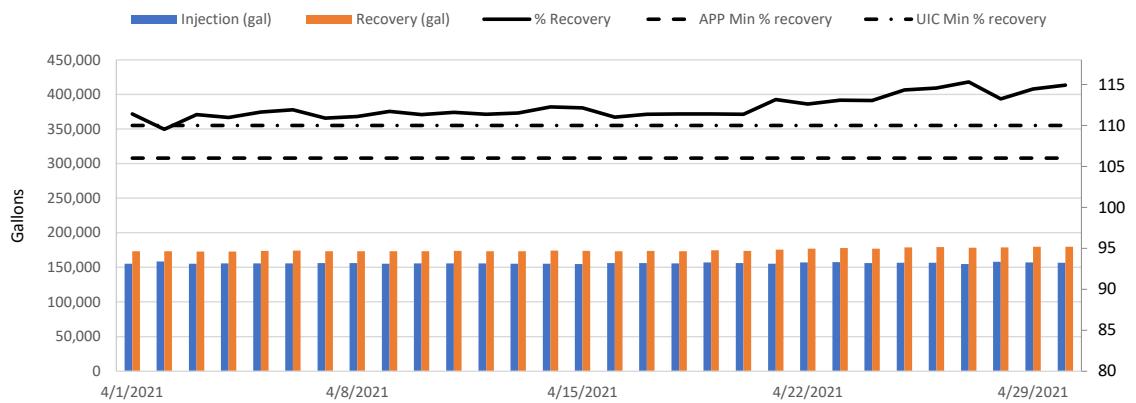


Figure 2. Injection vs. Recovery Volumes - May

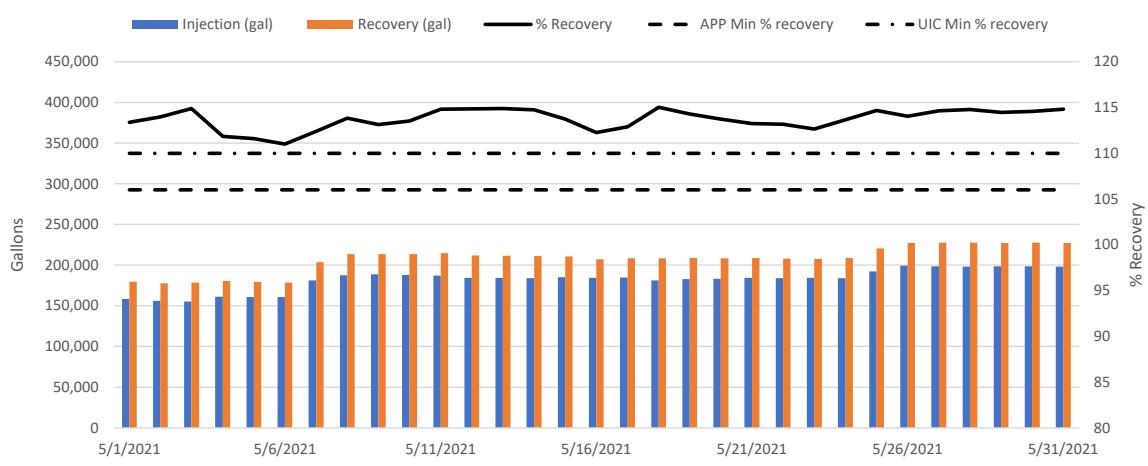
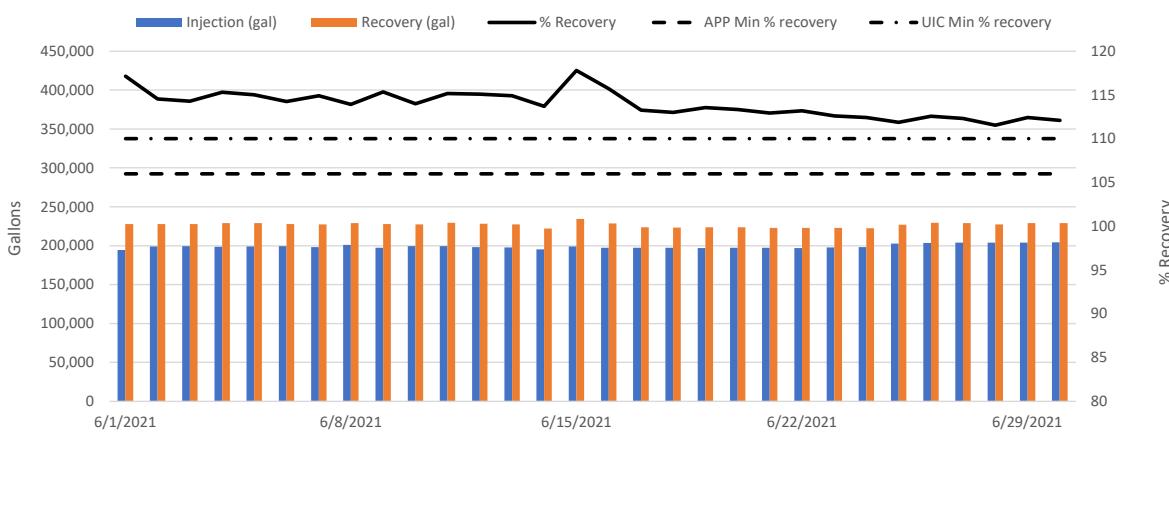


Figure 3. Injection vs. Recovery Volumes - June



### **ATTACHMENT 3**

#### **Table and Graphs of the Well Head Measurements in the Production Test Facility**

Table 1. April 2021 Daily Average Water Level Elevations

| Date      | R-01    | O-01    | O-07    | R-02    | O-01    | O-02    | R-03    | O-02    | O-03    | R-04    | O-03    | R-05    | O-04    | R-06    | O-04    | O-05    | R-07    | O-05    | O-06    | R-08    | O-06    | O-07    | R-09    |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4/1/2021  | 1225.86 | 1240.01 | 1240.84 | 1200.22 | 1240.01 | 1245.12 | 1159.06 | 1245.12 | 1239.28 | 1169.25 | 1239.28 | 1170.67 | 1242.33 | 1206.83 | 1242.33 | 1240.77 | 1235.69 | 1240.77 | 1239.98 | 1222.83 | 1239.98 | 1240.84 | 1222.36 |
| 4/2/2021  | 1223.77 | 1238.00 | 1238.78 | 1197.47 | 1238.00 | 1243.12 | 1158.74 | 1243.12 | 1237.39 | 1168.59 | 1237.39 | 1167.83 | 1240.42 | 1204.30 | 1240.42 | 1239.02 | 1234.37 | 1239.02 | 1238.26 | 1222.22 | 1238.26 | 1238.78 | 1220.48 |
| 4/3/2021  | 1223.50 | 1237.56 | 1238.25 | 1197.56 | 1237.56 | 1242.50 | 1158.65 | 1242.50 | 1236.12 | 1168.11 | 1236.12 | 1166.47 | 1239.68 | 1202.99 | 1239.68 | 1238.27 | 1233.80 | 1238.27 | 1237.64 | 1221.60 | 1237.64 | 1238.25 | 1219.96 |
| 4/4/2021  | 1222.86 | 1237.38 | 1238.00 | 1197.40 | 1237.38 | 1242.33 | 1158.40 | 1242.33 | 1236.36 | 1168.63 | 1236.36 | 1165.99 | 1239.45 | 1204.03 | 1239.45 | 1238.07 | 1233.75 | 1238.07 | 1237.48 | 1221.34 | 1237.48 | 1238.00 | 1219.75 |
| 4/5/2021  | 1221.86 | 1235.87 | 1236.78 | 1195.74 | 1235.87 | 1241.06 | 1158.47 | 1241.06 | 1235.13 | 1167.76 | 1235.13 | 1164.27 | 1238.14 | 1201.38 | 1238.14 | 1236.92 | 1232.61 | 1236.92 | 1236.13 | 1220.06 | 1236.13 | 1236.78 | 1218.76 |
| 4/6/2021  | 1222.73 | 1236.96 | 1237.36 | 1196.82 | 1236.96 | 1241.96 | 1158.61 | 1241.96 | 1236.12 | 1167.57 | 1236.12 | 1163.17 | 1238.54 | 1201.55 | 1238.54 | 1237.40 | 1233.38 | 1237.40 | 1236.66 | 1220.90 | 1236.66 | 1237.36 | 1219.58 |
| 4/7/2021  | 1221.71 | 1236.15 | 1236.83 | 1195.89 | 1236.15 | 1241.26 | 1157.81 | 1241.26 | 1235.83 | 1169.67 | 1235.83 | 1163.81 | 1238.42 | 1205.96 | 1238.42 | 1237.16 | 1233.26 | 1237.16 | 1236.27 | 1220.18 | 1236.27 | 1236.83 | 1218.95 |
| 4/8/2021  | 1221.57 | 1235.59 | 1236.44 | 1195.35 | 1235.59 | 1240.79 | 1158.21 | 1240.79 | 1235.22 | 1168.58 | 1235.22 | 1162.71 | 1238.05 | 1203.36 | 1238.05 | 1236.68 | 1232.94 | 1236.68 | 1235.80 | 1219.71 | 1235.80 | 1236.44 | 1218.35 |
| 4/9/2021  | 1222.96 | 1237.34 | 1237.60 | 1197.20 | 1237.34 | 1242.27 | 1158.64 | 1242.27 | 1236.64 | 1168.37 | 1236.64 | 1163.15 | 1238.83 | 1204.02 | 1238.83 | 1237.58 | 1234.13 | 1237.58 | 1236.86 | 1220.96 | 1236.86 | 1237.60 | 1220.19 |
| 4/10/2021 | 1225.01 | 1239.34 | 1239.62 | 1199.14 | 1239.34 | 1244.29 | 1158.98 | 1244.29 | 1238.87 | 1168.75 | 1238.87 | 1164.95 | 1241.44 | 1206.18 | 1241.44 | 1239.90 | 1236.59 | 1239.90 | 1239.04 | 1223.02 | 1239.04 | 1239.62 | 1222.46 |
| 4/11/2021 | 1227.46 | 1241.81 | 1242.04 | 1201.69 | 1241.81 | 1246.79 | 1159.54 | 1246.79 | 1241.49 | 1169.38 | 1241.49 | 1167.10 | 1244.31 | 1208.72 | 1244.31 | 1242.54 | 1239.39 | 1242.54 | 1241.61 | 1225.57 | 1241.61 | 1242.04 | 1225.24 |
| 4/12/2021 | 1228.81 | 1243.18 | 1243.33 | 1203.24 | 1243.18 | 1248.20 | 1160.00 | 1248.20 | 1243.05 | 1169.65 | 1243.05 | 1168.33 | 1245.74 | 1209.98 | 1245.74 | 1243.94 | 1240.95 | 1243.94 | 1242.94 | 1226.90 | 1242.94 | 1243.33 | 1226.48 |
| 4/13/2021 | 1228.48 | 1242.43 | 1243.21 | 1202.38 | 1242.43 | 1247.62 | 1159.83 | 1247.62 | 1242.55 | 1169.67 | 1242.55 | 1167.87 | 1245.99 | 1210.34 | 1245.99 | 1244.00 | 1241.13 | 1244.00 | 1242.88 | 1226.69 | 1242.88 | 1243.21 | 1225.62 |
| 4/14/2021 | 1229.14 | 1243.08 | 1243.83 | 1203.07 | 1243.08 | 1248.30 | 1159.86 | 1248.30 | 1243.14 | 1169.63 | 1243.14 | 1166.86 | 1246.58 | 1210.28 | 1246.58 | 1244.61 | 1241.93 | 1244.61 | 1243.50 | 1227.37 | 1243.50 | 1243.83 | 1226.35 |
| 4/15/2021 | 1229.14 | 1242.80 | 1243.69 | 1202.86 | 1242.80 | 1248.11 | 1160.21 | 1248.11 | 1242.93 | 1169.03 | 1242.93 | 1166.29 | 1246.47 | 1208.68 | 1246.47 | 1244.00 | 1241.25 | 1244.00 | 1243.38 | 1227.08 | 1243.38 | 1243.69 | 1227.04 |
| 4/16/2021 | 1231.05 | 1245.94 | 1245.45 | 1205.97 | 1245.94 | 1250.32 | 1160.38 | 1250.32 | 1243.72 | 1168.66 | 1243.72 | 1165.01 | 1247.36 | 1210.71 | 1247.36 | 1245.25 | 1242.98 | 1245.25 | 1245.14 | 1229.00 | 1245.14 | 1245.45 | 1230.07 |
| 4/17/2021 | 1231.74 | 1247.01 | 1245.86 | 1207.06 | 1247.01 | 1251.02 | 1160.25 | 1251.02 | 1243.57 | 1169.89 | 1243.57 | 1167.31 | 1247.50 | 1212.01 | 1247.50 | 1245.38 | 1243.33 | 1245.38 | 1245.44 | 1229.47 | 1245.44 | 1245.86 | 1230.60 |
| 4/18/2021 | 1231.93 | 1247.23 | 1246.10 | 1207.66 | 1247.23 | 1251.29 | 1160.30 | 1251.29 | 1243.76 | 1170.11 | 1243.76 | 1167.83 | 1247.72 | 1212.20 | 1247.72 | 1245.62 | 1243.79 | 1245.62 | 1245.70 | 1229.71 | 1245.70 | 1246.10 | 1230.79 |
| 4/19/2021 | 1231.80 | 1247.91 | 1245.93 | 1206.88 | 1247.91 | 1251.43 | 1160.00 | 1251.43 | 1241.94 | 1169.78 | 1241.94 | 1164.66 | 1246.72 | 1211.15 | 1246.72 | 1245.01 | 1243.66 | 1245.01 | 1245.57 | 1230.07 | 1245.57 | 1245.93 | 1231.07 |
| 4/20/2021 | 1230.35 | 1246.45 | 1244.36 | 1206.77 | 1246.45 | 1249.89 | 1159.81 | 1249.89 | 1240.08 | 1169.57 | 1240.08 | 1162.21 | 1244.77 | 1208.50 | 1244.77 | 1243.18 | 1242.10 | 1243.18 | 1243.91 | 1228.45 | 1243.91 | 1244.36 | 1229.69 |
| 4/21/2021 | 1229.32 | 1245.08 | 1243.34 | 1205.46 | 1245.08 | 1248.67 | 1159.67 | 1248.67 | 1238.85 | 1168.79 | 1238.85 | 1161.73 | 1243.97 | 1206.74 | 1243.97 | 1241.96 | 1240.73 | 1241.96 | 1242.53 | 1226.96 | 1242.53 | 1243.34 | 1228.27 |
| 4/22/2021 | 1229.73 | 1245.52 | 1243.73 | 1206.09 | 1245.52 | 1249.16 | 1159.75 | 1249.16 | 1239.26 | 1168.27 | 1239.26 | 1161.42 | 1244.42 | 1205.38 | 1244.42 | 1242.23 | 1240.94 | 1242.23 | 1242.78 | 1227.15 | 1242.78 | 1243.73 | 1228.34 |
| 4/23/2021 | 1229.63 | 1245.78 | 1243.54 | 1207.43 | 1245.78 | 1249.41 | 1159.81 | 1249.41 | 1239.80 | 1169.44 | 1239.80 | 1161.80 | 1244.01 | 1206.52 | 1244.01 | 1241.93 | 1240.77 | 1241.93 | 1242.61 | 1227.16 | 1242.61 | 1243.54 | 1228.83 |
| 4/24/2021 | 1228.91 | 1245.53 | 1242.86 | 1210.40 | 1245.53 | 1249.16 | 1159.33 | 1249.16 | 1239.78 | 1171.50 |         |         |         |         |         |         |         |         |         |         |         |         |         |

Table 2. May 2021 Daily Average Water Level Elevations

| Date      | R-01    | O-01    | O-07    | R-02    | O-01    | O-02    | R-03    | O-02    | O-03    | R-04    | O-03    | R-05    | O-04    | R-06    | O-04    | O-05    | R-07    | O-05    | O-06    | R-08    | O-06    | O-07    | R-09    |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 5/1/2021  | 1227.33 | 1243.14 | 1240.69 | 1208.13 | 1243.14 | 1247.30 | 1160.42 | 1247.30 | 1239.97 | 1170.30 | 1239.97 | 1165.63 | 1241.38 | 1206.54 | 1241.38 | 1238.95 | 1237.69 | 1238.95 | 1238.96 | 1224.20 | 1238.96 | 1240.69 | 1226.93 |
| 5/2/2021  | 1227.46 | 1243.31 | 1240.78 | 1211.66 | 1243.31 | 1247.55 | 1160.87 | 1247.55 | 1240.20 | 1170.71 | 1240.20 | 1166.46 | 1241.58 | 1208.00 | 1241.58 | 1239.25 | 1233.80 | 1239.25 | 1239.19 | 1224.95 | 1239.19 | 1240.78 | 1228.17 |
| 5/3/2021  | 1225.68 | 1241.30 | 1238.94 | 1209.75 | 1241.30 | 1245.64 | 1160.23 | 1245.64 | 1237.93 | 1170.43 | 1237.93 | 1163.90 | 1239.64 | 1205.96 | 1239.64 | 1237.39 | 1228.43 | 1237.39 | 1237.20 | 1222.79 | 1237.20 | 1238.94 | 1225.44 |
| 5/4/2021  | 1223.53 | 1239.00 | 1236.49 | 1207.59 | 1239.00 | 1243.30 | 1159.76 | 1243.30 | 1235.45 | 1169.98 | 1235.45 | 1161.38 | 1236.83 | 1203.79 | 1236.83 | 1234.69 | 1225.29 | 1234.69 | 1234.51 | 1220.28 | 1234.51 | 1236.49 | 1222.76 |
| 5/5/2021  | 1222.34 | 1237.87 | 1235.36 | 1206.10 | 1237.87 | 1242.12 | 1159.20 | 1242.12 | 1234.23 | 1169.65 | 1234.23 | 1164.26 | 1235.52 | 1202.05 | 1235.52 | 1233.46 | 1224.19 | 1233.46 | 1233.40 | 1219.15 | 1233.40 | 1235.36 | 1216.49 |
| 5/6/2021  | 1222.16 | 1237.76 | 1235.18 | 1205.87 | 1237.76 | 1241.91 | 1159.60 | 1241.91 | 1234.06 | 1169.20 | 1234.06 | 1162.60 | 1235.14 | 1201.16 | 1235.14 | 1233.22 | 1224.08 | 1233.22 | 1233.26 | 1219.08 | 1233.26 | 1235.18 | 1220.86 |
| 5/7/2021  | 1218.08 | 1237.08 | 1234.81 | 1203.93 | 1237.08 | 1240.67 | 1151.86 | 1240.67 | 1231.94 | 1160.43 | 1231.94 | 1160.10 | 1235.21 | 1188.05 | 1235.21 | 1234.07 | 1226.74 | 1234.07 | 1234.21 | 1220.33 | 1234.21 | 1234.81 | 1222.98 |
| 5/8/2021  | 1217.49 | 1236.00 | 1234.28 | 1201.60 | 1236.00 | 1239.42 | 1150.50 | 1239.42 | 1229.99 | 1151.94 | 1229.99 | 1152.05 | 1234.71 | 1171.69 | 1234.71 | 1233.89 | 1227.15 | 1233.89 | 1233.93 | 1220.26 | 1233.93 | 1234.28 | 1222.21 |
| 5/9/2021  | 1218.10 | 1236.73 | 1235.00 | 1201.84 | 1236.73 | 1240.10 | 1150.46 | 1240.10 | 1230.58 | 1151.82 | 1230.58 | 1152.23 | 1235.31 | 1172.20 | 1235.31 | 1234.66 | 1228.04 | 1234.66 | 1234.78 | 1221.18 | 1234.78 | 1235.00 | 1223.28 |
| 5/10/2021 | 1218.72 | 1237.14 | 1236.59 | 1187.12 | 1237.14 | 1239.52 | 1144.95 | 1239.52 | 1230.31 | 1153.06 | 1230.31 | 1151.29 | 1235.59 | 1162.99 | 1235.59 | 1234.89 | 1227.69 | 1234.89 | 1235.14 | 1221.77 | 1235.14 | 1236.59 | 1223.20 |
| 5/11/2021 | NA      | 1236.53 | 1236.43 | 1194.97 | 1236.53 | 1228.25 | 1148.51 | 1228.25 | 1230.50 | 1153.06 | 1230.50 | 1151.36 | 1236.40 | 1164.79 | 1236.40 | 1235.38 | 1228.23 | 1235.38 | 1235.34 | 1221.77 | 1235.34 | 1236.43 | 1223.04 |
| 5/12/2021 | NA      | 1237.01 | 1236.71 | 1198.59 | 1237.01 | 1229.38 | 1149.46 | 1229.38 | 1231.26 | 1152.17 | 1231.26 | 1152.12 | 1237.54 | 1172.91 | 1237.54 | 1236.31 | 1229.23 | 1236.31 | 1236.09 | 1221.84 | 1236.09 | 1236.71 | 1223.72 |
| 5/13/2021 | NA      | 1240.09 | 1239.78 | 1200.11 | 1240.09 | 1232.38 | 1149.56 | 1232.38 | 1234.57 | 1153.97 | 1234.57 | 1155.91 | 1240.69 | 1176.42 | 1240.69 | 1239.46 | 1232.55 | 1239.46 | 1239.22 | 1225.55 | 1239.22 | 1239.78 | 1227.13 |
| 5/14/2021 | NA      | 1242.68 | 1242.25 | 1202.96 | 1242.68 | 1235.01 | 1150.83 | 1235.01 | 1237.53 | 1154.45 | 1237.53 | 1158.68 | 1243.48 | 1178.76 | 1243.48 | 1242.06 | 1235.18 | 1242.06 | 1241.67 | 1227.19 | 1241.67 | 1242.25 | 1229.72 |
| 5/15/2021 | NA      | 1244.88 | 1244.44 | 1208.29 | 1244.88 | 1237.28 | 1151.50 | 1237.28 | 1239.70 | 1154.62 | 1239.70 | 1160.20 | 1245.32 | 1180.12 | 1245.32 | 1243.85 | 1237.01 | 1243.85 | 1243.50 | 1229.36 | 1243.50 | 1244.44 | 1231.55 |
| 5/16/2021 | NA      | 1245.78 | 1245.38 | 1211.00 | 1245.78 | 1238.26 | 1152.27 | 1238.26 | 1240.82 | 1154.64 | 1240.82 | 1161.46 | 1246.43 | 1181.17 | 1246.43 | 1244.89 | 1238.34 | 1244.89 | 1244.46 | 1230.77 | 1244.46 | 1245.38 | 1232.30 |
| 5/17/2021 | 1234.98 | 1246.11 | 1245.64 | 1211.18 | 1246.11 | 1238.50 | 1152.27 | 1238.50 | 1241.18 | 1154.63 | 1241.18 | 1160.55 | 1246.95 | 1180.92 | 1246.95 | 1245.23 | 1238.90 | 1245.23 | 1244.74 | 1230.75 | 1244.74 | 1245.64 | 1232.42 |
| 5/18/2021 | 1229.39 | 1246.75 | 1244.70 | 1227.25 | 1246.75 | 1239.67 | 1152.43 | 1239.67 | 1241.00 | 1154.38 | 1241.00 | 1159.48 | 1246.05 | 1179.95 | 1246.05 | 1244.56 | 1238.05 | 1244.56 | 1244.22 | 1230.28 | 1244.22 | 1244.70 | 1232.48 |
| 5/19/2021 | 1227.16 | 1245.16 | 1242.74 | NA      | 1245.16 | 1237.52 | 1152.06 | 1237.52 | 1239.56 | 1154.17 | 1239.56 | 1158.45 | 1244.45 | 1179.14 | 1244.45 | 1243.32 | 1237.49 | 1243.32 | 1243.08 | 1229.26 | 1243.08 | 1242.74 | 1231.72 |
| 5/20/2021 | 1224.83 | 1242.84 | 1240.24 | NA      | 1242.84 | 1235.31 | 1152.11 | 1235.31 | 1236.78 | 1153.54 | 1236.78 | 1154.83 | 1241.25 | 1176.19 | 1241.25 | 1240.47 | 1234.36 | 1240.47 | 1240.42 | 1226.82 | 1240.42 | 1240.24 | 1229.23 |
| 5/21/2021 | 1222.75 | 1240.53 | 1238.10 | NA      | 1240.53 | 1232.70 | 1151.54 | 1232.70 | 1234.36 | 1152.93 | 1234.36 | 1152.09 | 1239.06 | 1173.72 | 1239.06 | 1238.22 | 1232.40 | 1238.22 | 1238.16 | 1224.49 | 1238.16 | 1238.10 | 1226.43 |
| 5/22/2021 | 1221.94 | 1239.71 | 1237.15 | NA      | 1239.71 | 1231.83 | 1151.42 | 1231.83 | 1233.26 | 1152.58 | 1233.26 | 1150.77 | 1237.90 | 1172.56 | 1237.90 | 1237.12 | 1231.67 | 1237.12 | 1237.15 | 1223.55 | 1237.15 | 1237.15 | 1225.33 |
| 5/23/2021 | 1221.39 | 1239.38 | 1236.59 | NA      | 1239.38 | 1231.49 | 1151.15 | 1231.49 | 1232.56 | 1152.46 | 1232.56 | 1149.84 | 1237.25 | 1171.98 | 1237.25 | 1236.57 | 1231.43 | 1236.57 | 1236.62 | 1223.00 | 1236.62 | 1236.59 | 1225.14 |
| 5/24/2021 | 1220.31 | 1237.79 | 1235.61 | NA      | 1237.79 | 1230.01 | 1150.81 | 1230.01 | 1231.65 | 1152.10 | 1231.65 | 1148.39 | 1236.42 | 1170.80 | 1236.42 | 1235.63 |         |         |         |         |         |         |         |

Table 3. June 2021 Daily Average Water Level Elevations

| Date      | R-01    | O-01    | O-07    | R-02    | O-01    | O-02    | R-03    | O-02    | O-03    | R-04    | O-03    | R-05    | O-04    | R-06    | O-04    | O-05    | R-07    | O-05    | O-06    | R-08    | O-06    | O-07    | R-09    |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 6/1/2021  | 1219.87 | 1236.91 | 1235.40 | 1200.90 | 1236.91 | 1229.09 | 1151.71 | 1229.09 | 1222.11 | 1152.17 | 1222.11 | 1148.87 | 1235.74 | 1162.54 | 1235.74 | 1235.45 | 1232.47 | 1235.45 | 1235.72 | 1222.91 | 1235.72 | 1235.40 | 1224.97 |
| 6/2/2021  | 1218.16 | 1234.80 | 1233.48 | 1198.46 | 1234.80 | 1227.05 | NA      | 1227.05 | 1219.80 | 1151.82 | 1219.80 | 1145.87 | 1234.42 | 1158.67 | 1234.42 | 1233.59 | 1230.46 | 1233.59 | 1233.55 | 1220.19 | 1233.55 | 1233.48 | 1221.97 |
| 6/3/2021  | 1217.74 | 1234.05 | 1233.16 | 1198.11 | 1234.05 | 1226.42 | NA      | 1226.42 | 1219.39 | 1151.81 | 1219.39 | 1145.47 | 1234.28 | 1158.50 | 1234.28 | 1233.35 | 1230.33 | 1233.35 | 1233.26 | 1219.90 | 1233.26 | 1233.16 | 1221.58 |
| 6/4/2021  | 1218.17 | 1234.29 | 1233.76 | 1198.27 | 1234.29 | 1226.61 | NA      | 1226.61 | 1219.89 | 1151.78 | 1219.89 | 1145.84 | 1235.25 | 1159.35 | 1235.25 | 1234.05 | 1231.19 | 1234.05 | 1233.82 | 1220.37 | 1233.82 | 1233.76 | 1222.13 |
| 6/5/2021  | 1219.48 | 1237.25 | 1236.50 | 1195.30 | 1237.25 | 1228.99 | NA      | 1228.99 | 1221.61 | 1147.29 | 1221.61 | 1137.16 | 1237.91 | 1153.03 | 1237.91 | 1236.80 | 1234.41 | 1236.80 | 1236.98 | 1221.81 | 1236.98 | 1236.50 | 1223.46 |
| 6/6/2021  | 1220.93 | 1238.86 | 1237.98 | 1196.49 | 1238.86 | 1230.65 | NA      | 1230.65 | 1224.10 | 1147.25 | 1224.10 | 1137.86 | 1239.47 | 1154.50 | 1239.47 | 1238.36 | 1236.12 | 1238.36 | 1238.50 | NA      | 1238.50 | 1237.98 | 1224.97 |
| 6/7/2021  | 1222.41 | 1239.52 | 1238.44 | 1204.26 | 1239.52 | 1231.85 | NA      | 1231.85 | 1225.95 | 1150.77 | 1225.95 | 1150.18 | 1240.76 | 1161.20 | 1240.76 | 1239.17 | 1236.74 | 1239.17 | 1238.74 | 1226.05 | 1238.74 | 1238.44 | 1225.76 |
| 6/8/2021  | 1224.00 | 1240.43 | 1239.45 | 1208.55 | 1240.43 | 1232.51 | NA      | 1232.51 | 1226.08 | 1152.02 | 1226.08 | 1158.47 | 1242.21 | 1169.27 | 1242.21 | 1240.37 | 1237.95 | 1240.37 | 1239.59 | 1225.55 | 1239.59 | 1239.45 | 1226.28 |
| 6/9/2021  | 1225.62 | 1241.67 | 1240.73 | 1207.52 | 1241.67 | 1233.72 | 1175.66 | 1233.72 | 1232.99 | 1151.25 | 1232.99 | 1157.26 | 1243.61 | 1175.09 | 1243.61 | 1241.93 | 1234.43 | 1241.93 | 1241.10 | 1227.51 | 1241.10 | 1240.73 | 1229.12 |
| 6/10/2021 | 1226.13 | 1242.28 | 1241.26 | 1210.93 | 1242.28 | 1234.26 | 1170.50 | 1234.26 | 1237.63 | 1150.74 | 1237.63 | 1159.52 | 1244.37 | 1179.18 | 1244.37 | 1242.64 | 1234.65 | 1242.64 | 1241.66 | 1227.13 | 1241.66 | 1241.26 | 1229.83 |
| 6/11/2021 | 1227.01 | 1243.45 | 1242.11 | 1217.39 | 1243.45 | 1235.27 | 1170.36 | 1235.27 | 1238.51 | 1149.40 | 1238.51 | 1158.67 | 1245.22 | 1194.45 | 1245.22 | 1243.71 | 1235.91 | 1243.71 | 1242.70 | 1227.58 | 1242.70 | 1242.11 | 1233.14 |
| 6/12/2021 | 1227.35 | 1243.51 | 1242.31 | 1215.67 | 1243.51 | 1235.45 | 1170.01 | 1235.45 | 1238.70 | 1150.15 | 1238.70 | 1157.40 | 1245.49 | 1196.82 | 1245.49 | 1243.96 | 1236.24 | 1243.96 | 1242.91 | 1228.15 | 1242.91 | 1242.31 | 1232.24 |
| 6/13/2021 | 1227.35 | 1242.91 | 1242.06 | 1215.12 | 1242.91 | 1234.56 | 1169.16 | 1234.56 | 1238.06 | 1149.85 | 1238.06 | 1154.11 | 1245.23 | 1181.62 | 1245.23 | 1243.46 | 1235.88 | 1243.46 | 1242.50 | 1227.67 | 1242.50 | 1242.06 | 1231.70 |
| 6/14/2021 | 1227.39 | 1242.32 | 1241.62 | 1215.11 | 1242.32 | 1234.09 | 1169.63 | 1234.09 | 1237.51 | 1150.72 | 1237.51 | 1162.74 | 1244.42 | 1178.29 | 1244.42 | 1242.97 | 1234.60 | 1242.97 | 1241.91 | 1228.21 | 1241.91 | 1241.62 | 1231.94 |
| 6/15/2021 | 1224.88 | 1239.69 | 1240.06 | 1210.28 | 1239.69 | 1231.65 | 1167.17 | 1231.65 | 1230.16 | 1151.62 | 1230.16 | 1175.41 | 1242.29 | 1176.52 | 1242.29 | 1241.06 | 1232.42 | 1241.06 | 1240.06 | 1224.95 | 1240.06 | 1240.06 | 1229.20 |
| 6/16/2021 | 1222.74 | 1237.55 | 1237.28 | 1205.45 | 1237.55 | 1229.83 | 1163.57 | 1229.83 | 1234.70 | 1168.03 | 1234.70 | 1151.18 | 1240.27 | 1164.24 | 1240.27 | 1238.78 | 1230.13 | 1238.78 | 1237.73 | 1219.75 | 1237.73 | 1237.28 | 1227.21 |
| 6/17/2021 | 1221.21 | 1236.02 | 1235.66 | 1203.71 | 1236.02 | 1228.46 | 1163.92 | 1228.46 | 1232.65 | NA      | 1232.65 | 1146.94 | 1237.92 | 1166.04 | 1237.92 | 1236.77 | 1228.31 | 1236.77 | 1235.94 | 1218.94 | 1235.94 | 1235.66 | 1225.49 |
| 6/18/2021 | 1219.90 | 1233.56 | 1234.35 | 1202.58 | 1233.56 | 1226.81 | 1163.69 | 1226.81 | 1230.34 | NA      | 1230.34 | 1145.11 | 1235.79 | 1164.59 | 1235.79 | 1234.50 | 1226.81 | 1234.50 | 1234.43 | 1217.42 | 1234.43 | 1234.35 | 1224.09 |
| 6/19/2021 | 1219.04 | 1233.98 | 1233.42 | 1201.71 | 1233.98 | 1226.54 | 1163.72 | 1226.54 | 1230.73 | NA      | 1230.73 | 1143.80 | 1235.23 | 1163.06 | 1235.23 | 1234.22 | 1225.93 | 1234.22 | 1233.49 | 1216.43 | 1233.49 | 1233.42 | 1223.22 |
| 6/20/2021 | 1218.47 | 1233.35 | 1232.89 | 1201.02 | 1233.35 | 1225.92 | 1163.90 | 1225.92 | 1230.04 | NA      | 1230.04 | 1142.63 | 1234.62 | 1162.44 | 1234.62 | 1233.62 | 1225.47 | 1233.62 | 1232.95 | 1215.91 | 1232.95 | 1232.89 | 1222.61 |
| 6/21/2021 | 1216.80 | 1231.00 | 1231.34 | 1198.83 | 1231.00 | 1222.65 | 1164.13 | 1222.65 | 1227.77 | NA      | 1227.77 | 1141.02 | 1233.49 | 1161.49 | 1233.49 | 1232.42 | 1224.29 | 1232.42 | 1231.62 | 1214.56 | 1231.62 | 1231.34 | 1220.80 |
| 6/22/2021 | 1215.18 | 1228.88 | 1229.42 | 1196.35 | 1228.88 | 1220.11 | 1164.27 | 1220.11 | 1226.01 | NA      | 1226.01 | 1138.67 | 1232.47 | 1159.90 | 1232.47 | 1231.15 | 1223.01 | 1231.15 | 1230.21 | 1213.05 | 1230.21 | 1229.42 | 1218.97 |
| 6/23/2021 | 1215.57 | 1229.31 | 1230.33 | 1197.10 | 1229.31 | 1220.64 | 1165.56 | 1220.64 | 1226.77 | NA      | 1226.77 | 1139.38 | 1232.75 | 1160.23 | 1232.75 | 1231.43 | 1223.45 | 1231.43 | 1230.53 | 1213.24 | 1230.53 | 1230.33 | 1219.46 |
| 6/24/2021 | 1216.34 | 1230.24 | 1231.45 | 1201.21 | 1230.24 | 1221.58 | 1165.61 | 1221.58 | 1227.53 | NA      | 1227.53 | 1138.98 | 1233.83 | 1160.19 | 1233.83 | 1232.34 | 1224.50 | 1232.34 |         |         |         |         |         |

## Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells

Figure 1a. Q2 Water Levels

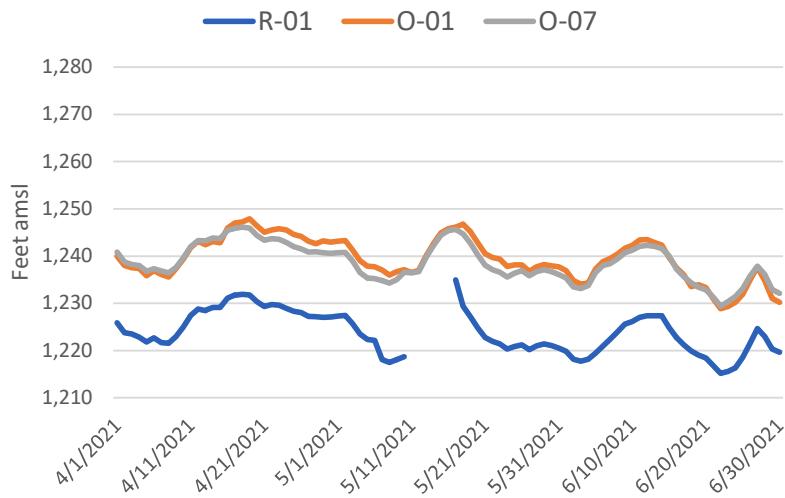


Figure 1b. Q2 Water Levels

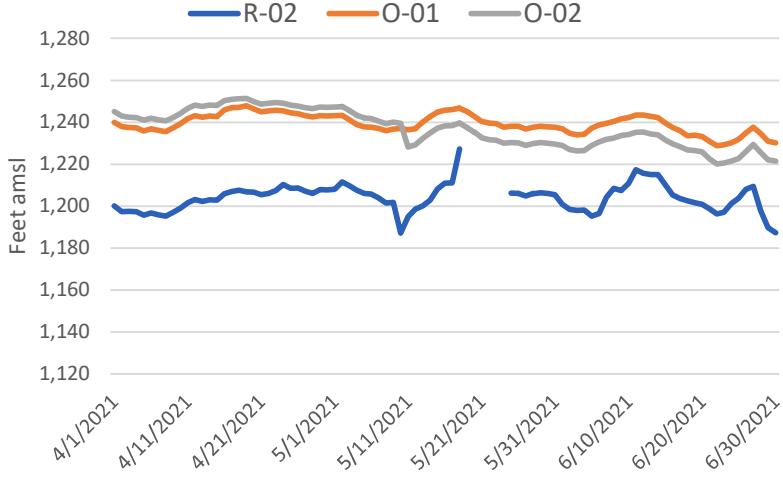


Figure 1c. Q2 Water Levels

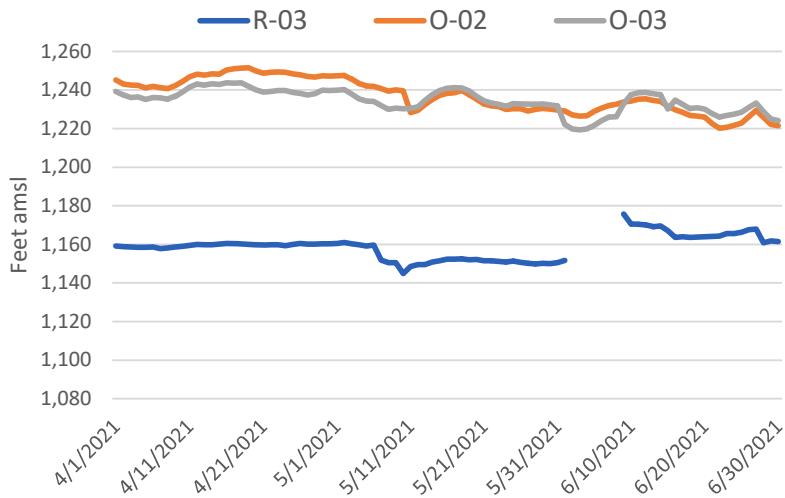
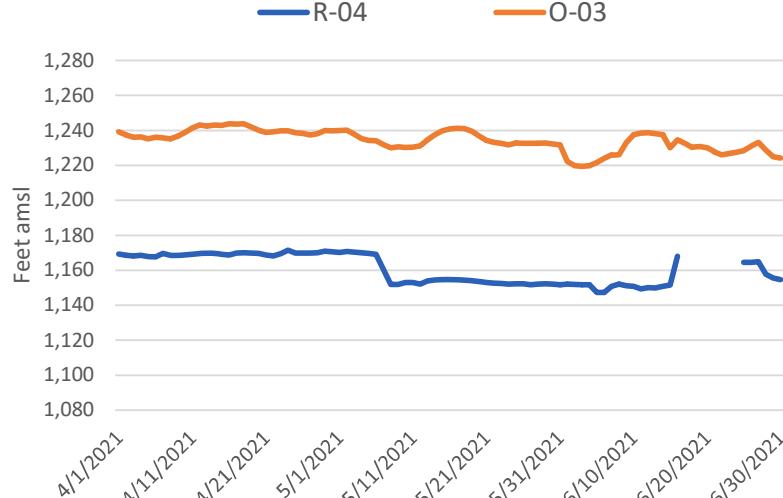


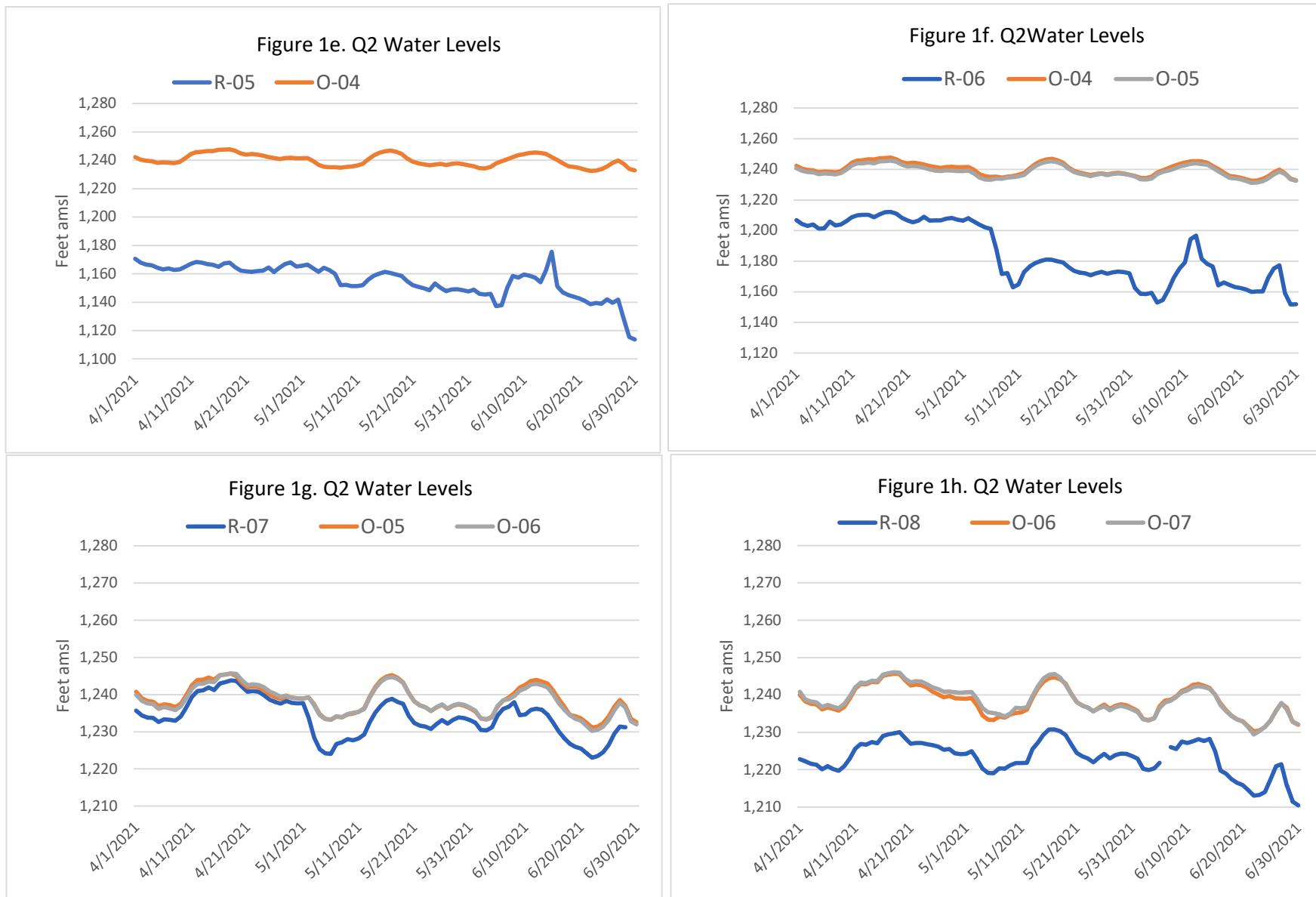
Figure 1d. Q2 Water Levels



Notes:

Refer to preceding Daily Average Water Level Elevation Tables (Tables 1 - 3) for details on missing data points.

## Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells



**Notes:**

Refer to preceding Daily Average Water Level Elevations Tables (Tables 1 - 3) for details on missing data points.

**Q2 2021 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS**

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**Table 4. April 2021 Daily Hydraulic Gradient for Recovery Well Pairings**

| Date      | R-01  |       | R-02  |       | R-03  |       | R-04  | R-05  | R-06  |       | R-07 |      | R-08  |       | All Gradients > 1 foot? |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------------------------|
|           | O-01  | O-07  | O-01  | O-02  | O-02  | O-03  | O-03  | O-04  | O-04  | O-05  | O-05 | O-06 | O-06  | O-07  |                         |
| 4/1/2021  | 14.15 | 14.98 | 39.79 | 44.90 | 86.06 | 80.22 | 70.03 | 71.66 | 35.50 | 33.94 | 5.08 | 4.29 | 17.15 | 18.01 | Yes                     |
| 4/2/2021  | 14.23 | 15.01 | 40.53 | 45.65 | 84.38 | 78.65 | 68.80 | 72.59 | 36.12 | 34.72 | 4.65 | 3.89 | 16.04 | 16.56 | Yes                     |
| 4/3/2021  | 14.06 | 14.75 | 40.00 | 44.94 | 83.85 | 77.47 | 68.01 | 73.21 | 36.69 | 35.28 | 4.47 | 3.84 | 16.04 | 16.65 | Yes                     |
| 4/4/2021  | 14.51 | 15.13 | 39.98 | 44.93 | 83.93 | 77.96 | 67.73 | 73.46 | 35.42 | 34.04 | 4.33 | 3.73 | 16.14 | 16.66 | Yes                     |
| 4/5/2021  | 14.02 | 14.92 | 40.13 | 45.32 | 82.60 | 76.66 | 67.37 | 73.87 | 36.76 | 35.54 | 4.31 | 3.52 | 16.07 | 16.72 | Yes                     |
| 4/6/2021  | 14.23 | 14.63 | 40.14 | 45.14 | 83.35 | 77.51 | 68.56 | 75.38 | 37.00 | 35.85 | 4.02 | 3.28 | 15.75 | 16.46 | Yes                     |
| 4/7/2021  | 14.44 | 15.13 | 40.25 | 45.36 | 83.45 | 78.02 | 66.16 | 74.61 | 32.47 | 31.20 | 3.90 | 3.01 | 16.09 | 16.65 | Yes                     |
| 4/8/2021  | 14.02 | 14.87 | 40.23 | 45.44 | 82.59 | 77.02 | 66.64 | 75.34 | 34.69 | 33.31 | 3.73 | 2.86 | 16.09 | 16.72 | Yes                     |
| 4/9/2021  | 14.38 | 14.64 | 40.14 | 45.07 | 83.63 | 78.00 | 68.27 | 75.68 | 34.81 | 33.56 | 3.45 | 2.73 | 15.90 | 16.64 | Yes                     |
| 4/10/2021 | 14.33 | 14.61 | 40.20 | 45.15 | 85.31 | 79.89 | 70.12 | 76.49 | 35.26 | 33.72 | 3.31 | 2.45 | 16.02 | 16.60 | Yes                     |
| 4/11/2021 | 14.35 | 14.58 | 40.11 | 45.09 | 87.24 | 81.94 | 72.11 | 77.21 | 35.59 | 33.82 | 3.15 | 2.22 | 16.05 | 16.47 | Yes                     |
| 4/12/2021 | 14.37 | 14.52 | 39.95 | 44.96 | 88.19 | 83.04 | 73.40 | 77.40 | 35.76 | 33.96 | 2.99 | 1.99 | 16.03 | 16.43 | Yes                     |
| 4/13/2021 | 13.95 | 14.73 | 40.05 | 45.24 | 87.79 | 82.72 | 72.88 | 78.12 | 35.65 | 33.66 | 2.88 | 1.75 | 16.19 | 16.52 | Yes                     |
| 4/14/2021 | 13.94 | 14.69 | 40.01 | 45.23 | 88.43 | 83.28 | 73.51 | 79.72 | 36.30 | 34.34 | 2.69 | 1.57 | 16.13 | 16.47 | Yes                     |
| 4/15/2021 | 13.66 | 14.54 | 39.94 | 45.24 | 87.90 | 82.72 | 73.90 | 80.17 | 37.79 | 35.33 | 2.76 | 2.13 | 16.30 | 16.61 | Yes                     |
| 4/16/2021 | 14.89 | 14.40 | 39.97 | 44.35 | 89.94 | 83.34 | 75.06 | 82.34 | 36.64 | 34.54 | 2.27 | 2.16 | 16.14 | 16.45 | Yes                     |
| 4/17/2021 | 15.27 | 14.12 | 39.95 | 43.96 | 90.77 | 83.32 | 73.68 | 80.19 | 35.49 | 33.37 | 2.05 | 2.11 | 15.97 | 16.39 | Yes                     |
| 4/18/2021 | 15.30 | 14.17 | 39.58 | 43.63 | 90.99 | 83.46 | 73.65 | 79.90 | 35.52 | 33.42 | 1.83 | 1.92 | 15.99 | 16.39 | Yes                     |
| 4/19/2021 | 16.10 | 14.13 | 41.03 | 44.54 | 91.43 | 81.95 | 72.17 | 82.05 | 35.56 | 33.85 | 1.35 | 1.91 | 15.50 | 15.86 | Yes                     |
| 4/20/2021 | 16.09 | 14.01 | 39.68 | 43.12 | 90.08 | 80.27 | 70.50 | 82.56 | 36.28 | 34.69 | 1.08 | 1.81 | 15.46 | 15.91 | Yes                     |
| 4/21/2021 | 15.76 | 14.03 | 39.61 | 43.21 | 89.00 | 79.18 | 70.06 | 82.25 | 37.24 | 35.23 | 1.23 | 1.80 | 15.57 | 16.38 | Yes                     |
| 4/22/2021 | 15.79 | 14.00 | 39.42 | 43.07 | 89.41 | 79.50 | 70.99 | 82.99 | 39.03 | 36.85 | 1.29 | 1.84 | 15.63 | 16.58 | Yes                     |
| 4/23/2021 | 16.15 | 13.91 | 38.35 | 41.98 | 89.60 | 79.99 | 70.36 | 82.21 | 37.49 | 35.41 | 1.16 | 1.84 | 15.45 | 16.38 | Yes                     |
| 4/24/2021 | 16.62 | 13.95 | 35.13 | 38.76 | 89.83 | 80.45 | 68.28 | 81.03 | 34.17 | 32.12 | 1.38 | 2.13 | 15.14 | 16.06 | Yes                     |
| 4/25/2021 | 16.27 | 13.67 | 36.12 | 39.77 | 88.27 | 78.74 | 68.86 | 77.70 | 35.70 | 33.49 | 1.38 | 2.20 | 14.27 | 15.45 | Yes                     |
| 4/26/2021 | 16.09 | 13.51 | 35.37 | 39.09 | 87.47 | 77.91 | 68.46 | 80.31 | 34.91 | 32.63 | 1.24 | 2.10 | 14.00 | 15.40 | Yes                     |
| 4/27/2021 | 15.96 | 13.60 | 36.01 | 39.77 | 86.86 | 77.29 | 67.51 | 76.64 | 34.18 | 32.17 | 1.29 | 1.79 | 14.09 | 15.53 | Yes                     |
| 4/28/2021 | 15.44 | 13.69 | 36.52 | 40.50 | 86.50 | 77.91 | 67.93 | 74.76 | 33.72 | 31.60 | 1.17 | 1.47 | 14.23 | 15.36 | Yes                     |
| 4/29/2021 | 16.19 | 13.70 | 35.19 | 39.38 | 87.08 | 79.63 | 69.11 | 73.77 | 33.46 | 30.95 | 1.41 | 1.30 | 14.75 | 16.38 | Yes                     |
| 4/30/2021 | 15.86 | 13.45 | 35.15 | 39.34 | 86.96 | 79.57 | 69.22 | 76.31 | 34.22 | 31.78 | 1.35 | 1.37 | 14.82 | 16.39 | Yes                     |

**Notes:**

All measurements in elevation above mean sea level.

**Q2 2021 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS**

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**Table 5. May 2021 Daily Hydraulic Gradient for Recovery Well Pairings**

| Date      | R-01  |       | R-02  |       | R-03  |       | R-04  | R-05  | R-06  |        | R-07 |      | R-08  |       | All Gradients<br>> 1 foot? |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|-------|-------|----------------------------|
|           | O-01  | O-07  | O-01  | O-02  | O-02  | O-03  | O-03  | O-04  | O-04  | O-05   | O-05 | O-06 | O-06  | O-07  |                            |
| 5/1/2021  | 15.81 | 13.36 | 35.01 | 39.17 | 86.88 | 79.55 | 69.67 | 75.75 | 34.84 | 32.41  | 1.26 | 1.27 | 14.76 | 16.49 | Yes                        |
| 5/2/2021  | 15.84 | 13.32 | 31.65 | 35.90 | 86.68 | 79.33 | 69.49 | 75.12 | 33.57 | 31.24  | 5.45 | 5.39 | 14.24 | 15.83 | Yes                        |
| 5/3/2021  | 15.62 | 13.26 | 31.55 | 35.89 | 85.41 | 77.71 | 67.51 | 75.74 | 33.67 | 31.42  | 8.96 | 8.77 | 14.41 | 16.15 | Yes                        |
| 5/4/2021  | 15.47 | 12.96 | 31.41 | 35.71 | 83.54 | 75.69 | 65.47 | 75.45 | 33.04 | -42.41 | 9.40 | 9.22 | 14.22 | 16.21 | Yes                        |
| 5/5/2021  | 15.53 | 13.02 | 31.77 | 36.02 | 82.92 | 75.02 | 64.57 | 71.26 | 33.47 | 31.41  | 9.27 | 9.22 | 14.25 | 16.21 | Yes                        |
| 5/6/2021  | 15.60 | 13.02 | 31.89 | 36.04 | 82.31 | 74.47 | 64.86 | 72.54 | 33.98 | 32.06  | 9.14 | 9.18 | 14.18 | 16.10 | Yes                        |
| 5/7/2021  | 19.00 | 16.73 | 33.15 | 36.74 | 88.81 | 80.08 | 71.51 | 75.11 | 47.16 | 46.02  | 7.33 | 7.47 | 13.88 | 14.48 | Yes                        |
| 5/8/2021  | 18.51 | 16.79 | 34.40 | 37.82 | 88.92 | 79.49 | 78.05 | 82.66 | 63.02 | 62.20  | 6.74 | 6.78 | 13.67 | 14.02 | Yes                        |
| 5/9/2021  | 18.63 | 16.91 | 34.89 | 38.26 | 89.64 | 80.12 | 78.76 | 83.08 | 63.11 | 62.46  | 6.62 | 6.74 | 13.60 | 13.82 | Yes                        |
| 5/10/2021 | 18.42 | 17.87 | 50.01 | 52.39 | 94.57 | 85.37 | 77.25 | 84.30 | 72.32 | 71.90  | 7.20 | 7.44 | 13.37 | 14.82 | Yes                        |
| 5/11/2021 | NA    | NA    | 41.56 | 33.28 | 79.74 | 81.99 | 77.44 | 85.05 | 71.61 | 70.59  | 7.15 | 7.11 | 13.57 | 14.67 | Yes                        |
| 5/12/2021 | NA    | NA    | 38.42 | 30.79 | 79.92 | 81.80 | 79.09 | 85.42 | 64.63 | 63.40  | 7.08 | 6.85 | 14.25 | 14.88 | Yes                        |
| 5/13/2021 | NA    | NA    | 39.99 | 32.27 | 82.82 | 85.01 | 80.60 | 84.77 | 64.27 | 63.05  | 6.91 | 6.67 | 13.68 | 14.23 | Yes                        |
| 5/14/2021 | NA    | NA    | 39.72 | 32.05 | 84.18 | 86.70 | 83.08 | 84.80 | 64.72 | 63.30  | 6.88 | 6.49 | 14.48 | 15.06 | Yes                        |
| 5/15/2021 | NA    | NA    | 36.59 | 28.99 | 85.78 | 88.20 | 85.08 | 85.12 | 65.20 | 63.73  | 6.84 | 6.49 | 14.14 | 15.08 | Yes                        |
| 5/16/2021 | NA    | NA    | 34.78 | 27.26 | 85.99 | 88.55 | 86.18 | 84.97 | 65.26 | 63.72  | 6.55 | 6.12 | 13.69 | 14.62 | Yes                        |
| 5/17/2021 | 11.13 | 10.66 | 34.93 | 27.33 | 86.23 | 88.90 | 86.54 | 86.40 | 66.03 | 64.32  | 6.33 | 5.84 | 13.99 | 14.89 | Yes                        |
| 5/18/2021 | 17.36 | 15.31 | 19.49 | 12.41 | 87.24 | 88.58 | 86.63 | 86.57 | 66.10 | 64.61  | 6.51 | 6.17 | 13.94 | 14.42 | Yes                        |
| 5/19/2021 | 18.00 | 15.57 | NA    | NA    | 85.46 | 87.49 | 85.38 | 86.00 | 65.31 | 64.18  | 5.83 | 5.59 | 13.82 | 13.48 | Yes                        |
| 5/20/2021 | 18.01 | 15.41 | NA    | NA    | 83.20 | 84.67 | 83.24 | 86.42 | 65.07 | 64.28  | 6.11 | 6.06 | 13.60 | 13.42 | Yes                        |
| 5/21/2021 | 17.78 | 15.35 | NA    | NA    | 81.16 | 82.82 | 81.43 | 86.97 | 65.34 | 64.50  | 5.82 | 5.76 | 13.67 | 13.61 | Yes                        |
| 5/22/2021 | 17.77 | 15.21 | NA    | NA    | 80.41 | 81.84 | 80.68 | 87.13 | 65.34 | 64.56  | 5.45 | 5.48 | 13.60 | 13.60 | Yes                        |
| 5/23/2021 | 17.99 | 15.20 | NA    | NA    | 80.34 | 81.41 | 80.10 | 87.41 | 65.27 | 64.59  | 5.14 | 5.19 | 13.62 | 13.59 | Yes                        |
| 5/24/2021 | 17.49 | 15.30 | NA    | NA    | 79.20 | 80.84 | 79.56 | 88.03 | 65.63 | 64.83  | 4.89 | 4.85 | 13.65 | 13.67 | Yes                        |
| 5/25/2021 | 17.25 | 15.50 | 31.85 | 24.05 | 78.98 | 81.51 | 80.66 | 83.87 | 64.90 | 64.34  | 4.47 | 4.56 | 13.39 | 13.17 | Yes                        |
| 5/26/2021 | 16.93 | 15.71 | 32.01 | 24.15 | 79.64 | 82.04 | 80.43 | 87.36 | 64.38 | 64.10  | 4.06 | 4.23 | 13.14 | 12.69 | Yes                        |
| 5/27/2021 | 16.60 | 15.66 | 32.01 | 24.24 | 78.90 | NA    | NA    | 88.86 | 64.84 | 64.31  | 4.00 | 4.10 | 13.26 | 12.87 | Yes                        |
| 5/28/2021 | 16.74 | 15.67 | 31.76 | 23.96 | 80.10 | 82.74 | 80.41 | 88.44 | 64.68 | 64.21  | 3.80 | 3.92 | 13.20 | 12.77 | Yes                        |
| 5/29/2021 | 16.78 | 15.69 | 31.75 | 24.02 | 80.29 | 82.58 | 80.56 | 88.71 | 64.69 | 64.22  | 3.54 | 3.64 | 13.21 | 12.81 | Yes                        |
| 5/30/2021 | 16.84 | 15.66 | 31.80 | 24.03 | 80.18 | 82.32 | 80.28 | 88.72 | 64.38 | 64.12  | 3.34 | 3.55 | 12.99 | 12.50 | Yes                        |
| 5/31/2021 | 17.20 | 15.59 | 32.23 | 24.07 | 79.07 | 81.19 | 79.88 | 88.83 | 64.36 | 64.15  | 3.19 | 3.40 | 12.88 | 12.47 | Yes                        |

**Notes:**

All measurements in elevation above mean sea level.

NA or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

R-01 redevelopment May 11-16, 2021

R-02 redevelopment May 19-23, 2021

O-03 redeveloped May 27, 2021

**Q2 2021 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS**

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**Table 6. June 2021 Daily Hydraulic Gradient for Recovery Well Pairings**

| Date      | R-01  |       | R-02  |       | R-03  |       | R-04  | R-05   | R-06  |       | R-07 |      | R-08  |       | All Gradients<br>> 1 foot? |
|-----------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|------|-------|-------|----------------------------|
|           | O-01  | O-07  | O-01  | O-02  | O-02  | O-03  | O-03  | O-04   | O-04  | O-05  | O-05 | O-06 | O-06  | O-07  |                            |
| 6/1/2021  | 17.05 | 15.53 | 36.01 | 28.18 | 77.37 | 70.39 | 69.93 | 86.87  | 73.21 | 72.91 | 2.98 | 3.26 | 12.81 | 12.49 | Yes                        |
| 6/2/2021  | 16.64 | 15.32 | 36.33 | 28.59 | NA    | NA    | 67.98 | 88.54  | 75.75 | 74.93 | 3.13 | 3.09 | 13.36 | 13.28 | Yes                        |
| 6/3/2021  | 16.31 | 15.42 | 35.95 | 28.31 | NA    | NA    | 67.58 | 88.81  | 75.78 | 74.85 | 3.01 | 2.92 | 13.36 | 13.27 | Yes                        |
| 6/4/2021  | 16.11 | 15.58 | 36.02 | 28.34 | NA    | NA    | 68.11 | 89.41  | 75.91 | 74.71 | 2.86 | 2.62 | 13.45 | 13.39 | Yes                        |
| 6/5/2021  | 17.76 | 17.01 | 41.95 | 33.69 | NA    | NA    | 74.32 | 100.76 | 84.88 | 83.77 | 2.40 | 2.57 | 15.17 | 14.69 | Yes                        |
| 6/6/2021  | 17.93 | 17.05 | 42.37 | 34.16 | NA    | NA    | 76.85 | 101.60 | 84.97 | 83.86 | 2.25 | 2.38 | NA    | NA    | Yes                        |
| 6/7/2021  | 17.11 | 16.03 | 35.26 | 27.59 | NA    | NA    | 75.17 | 90.58  | 79.57 | 77.97 | 2.43 | 2.00 | 12.69 | 12.39 | Yes                        |
| 6/8/2021  | 16.43 | 15.45 | 31.88 | 23.96 | NA    | NA    | 74.06 | 83.74  | 72.94 | 71.10 | 2.42 | 1.65 | 14.04 | 13.90 | Yes                        |
| 6/9/2021  | 16.05 | 15.11 | 34.16 | 26.21 | 58.06 | 57.33 | 81.73 | 86.35  | 68.52 | 66.84 | 7.50 | 6.67 | 13.59 | 13.22 | Yes                        |
| 6/10/2021 | 16.15 | 15.13 | 31.35 | 23.32 | 63.76 | 67.14 | 86.89 | 84.86  | 65.19 | 63.46 | 7.99 | 7.01 | 14.53 | 14.13 | Yes                        |
| 6/11/2021 | 16.44 | 15.10 | 26.06 | 17.88 | 64.91 | 68.15 | 89.11 | 86.55  | 50.77 | 49.26 | 7.80 | 6.79 | 15.12 | 14.53 | Yes                        |
| 6/12/2021 | 16.16 | 14.96 | 27.84 | 19.78 | 65.44 | 68.69 | 88.55 | 88.09  | 48.67 | 47.14 | 7.72 | 6.67 | 14.76 | 14.16 | Yes                        |
| 6/13/2021 | 15.56 | 14.71 | 27.79 | 19.44 | 65.40 | 68.90 | 88.22 | 91.12  | 63.61 | 61.84 | 7.58 | 6.62 | 14.82 | 14.39 | Yes                        |
| 6/14/2021 | 14.93 | 14.24 | 27.21 | 18.98 | 64.46 | 67.88 | 86.79 | 81.68  | 66.14 | 64.68 | 8.37 | 7.32 | 13.70 | 13.41 | Yes                        |
| 6/15/2021 | 14.81 | 15.18 | 29.41 | 21.38 | 64.49 | 62.99 | 78.54 | 66.88  | 65.77 | 64.54 | 8.64 | 7.64 | 15.11 | 15.11 | Yes                        |
| 6/16/2021 | 14.80 | 14.54 | 32.10 | 24.38 | 66.26 | 71.13 | 66.67 | 89.08  | 76.03 | 74.54 | 8.65 | 7.60 | 17.99 | 17.54 | Yes                        |
| 6/17/2021 | 14.81 | 14.45 | 32.31 | 24.75 | 64.54 | 68.73 | NA    | 90.97  | 71.88 | 70.73 | 8.46 | 7.64 | 17.00 | 16.72 | Yes                        |
| 6/18/2021 | 13.66 | 14.45 | 30.98 | 24.23 | 63.12 | 66.65 | NA    | 90.68  | 71.20 | 69.91 | 7.69 | 7.62 | 17.01 | 16.93 | Yes                        |
| 6/19/2021 | 14.94 | 14.38 | 32.27 | 24.83 | 62.82 | 67.01 | NA    | 91.43  | 72.18 | 71.16 | 8.29 | 7.57 | 17.06 | 16.98 | Yes                        |
| 6/20/2021 | 14.88 | 14.41 | 32.33 | 24.90 | 62.01 | 66.13 | NA    | 91.99  | 72.18 | 71.17 | 8.14 | 7.48 | 17.04 | 16.98 | Yes                        |
| 6/21/2021 | 14.20 | 14.55 | 32.17 | 23.82 | 58.52 | 63.64 | NA    | 92.47  | 71.99 | 70.93 | 8.14 | 7.33 | 17.06 | 16.79 | Yes                        |
| 6/22/2021 | 13.71 | 14.24 | 32.53 | 23.76 | 55.84 | 61.74 | NA    | 93.80  | 72.58 | 71.25 | 8.14 | 7.20 | 17.16 | 16.37 | Yes                        |
| 6/23/2021 | 13.74 | 14.76 | 32.21 | 23.53 | 55.08 | 61.21 | NA    | 93.37  | 72.52 | 71.20 | 7.98 | 7.08 | 17.29 | 17.09 | Yes                        |
| 6/24/2021 | 13.90 | 15.11 | 29.03 | 20.37 | 55.97 | 61.92 | NA    | 94.85  | 73.64 | 72.15 | 7.85 | 6.93 | 17.39 | 17.41 | Yes                        |
| 6/25/2021 | 13.34 | 14.59 | 28.12 | 18.98 | 56.43 | 62.09 | 63.86 | 93.62  | 66.36 | 64.91 | 7.67 | 6.72 | 15.79 | 15.78 | Yes                        |
| 6/26/2021 | 13.44 | 14.21 | 26.95 | 18.01 | 58.52 | 63.36 | 66.33 | 98.59  | 62.92 | 61.46 | 7.27 | 6.33 | 14.89 | 14.86 | Yes                        |
| 6/27/2021 | 12.98 | 13.21 | 28.19 | 19.98 | 61.62 | 65.38 | 68.34 | 97.91  | 62.47 | 61.22 | 7.13 | 6.31 | 16.29 | 16.45 | Yes                        |
| 6/28/2021 | 11.75 | 13.11 | 36.83 | 27.81 | 64.87 | 67.87 | 71.02 | 109.16 | 78.43 | 77.93 | 5.83 | 5.37 | 20.94 | 20.47 | Yes                        |
| 6/29/2021 | 10.72 | 12.60 | 41.25 | 32.38 | 60.35 | 63.18 | 69.46 | 118.46 | 82.35 | 81.90 | NA   | NA   | 21.39 | 21.46 | Yes                        |
| 6/30/2021 | 10.53 | 12.42 | 42.83 | 34.14 | 60.10 | 62.80 | 69.54 | 119.32 | 81.00 | 80.65 | NA   | NA   | 21.51 | 21.61 | Yes                        |

**Notes:**

All measurements in elevation above mean sea level.

NA or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

June 2-8: R-03 Redevelopment

June 6: R-08 Pump replacement

June 17-24: R-04 Redevelopment

June 29-30: R-07 Redevelopment

## Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells

Figure 1 i. Hydraulic Gradient for Wells Paired with R-01

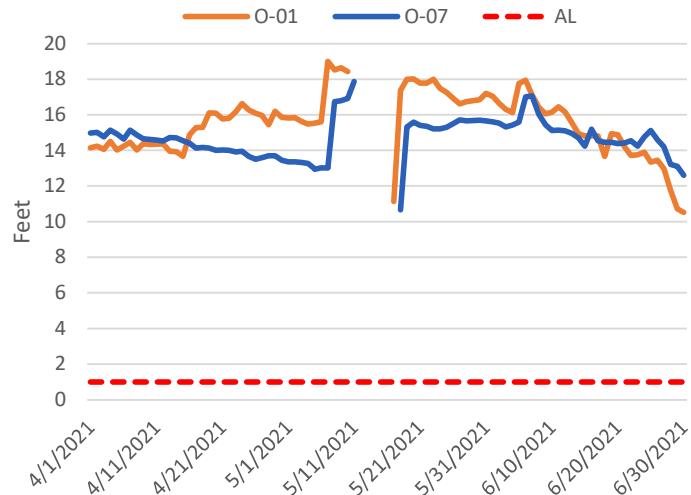


Figure 1j. Hydraulic Gradient for Wells Paired with R-02

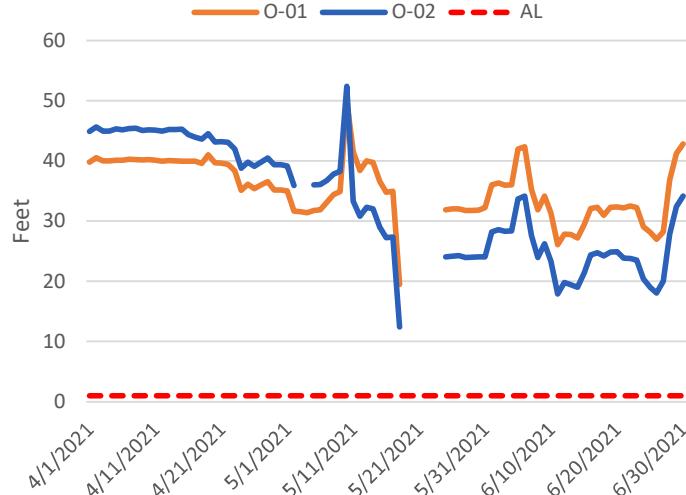


Figure 1k. Hydraulic Gradient for Wells Paired with R-03

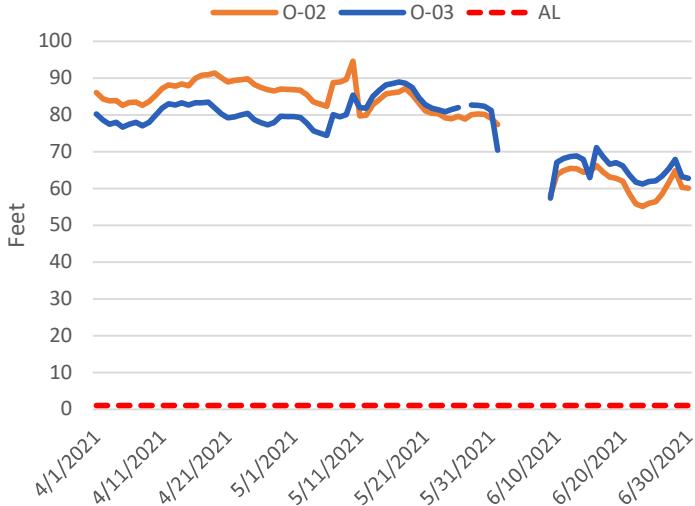
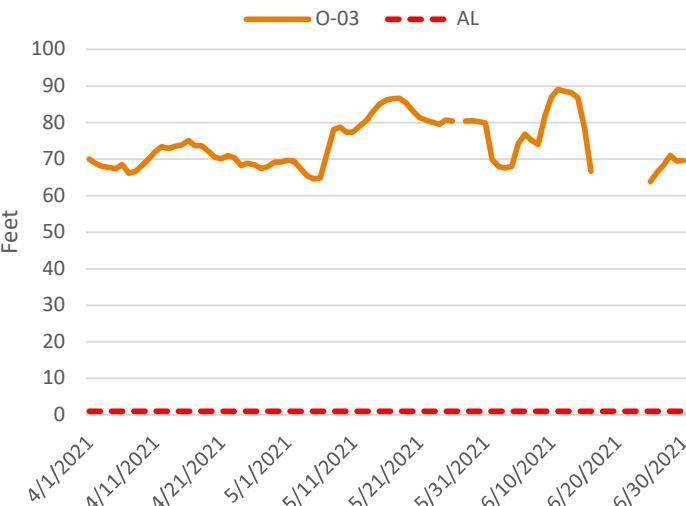


Figure 1l. Hydraulic Gradient for Wells Paired with R-04



Notes:

Refer to preceding Daily Hydraulic Gradient for Recovery Well Pairings Tables (Tables 4 - 6) for details on missing data points.

## Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells

Figure 1m. Hydraulic Gradient for Wells Paired with R-05

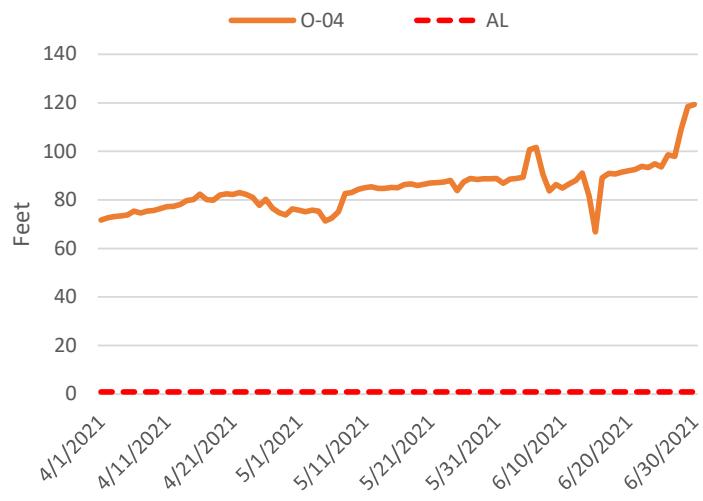


Figure 1n. Hydraulic Gradient for Wells Paired with R-06

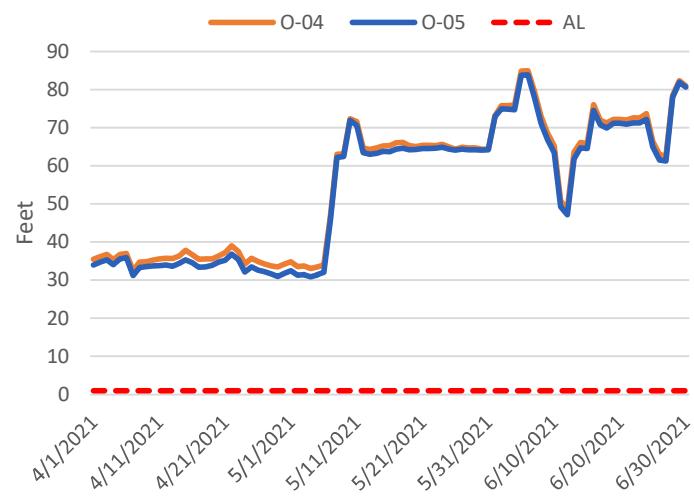


Figure 1o. Hydraulic Gradient for Wells Paired with R-07

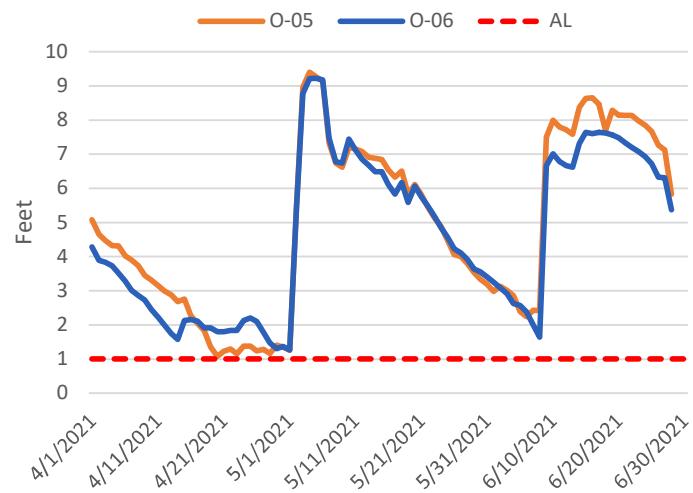
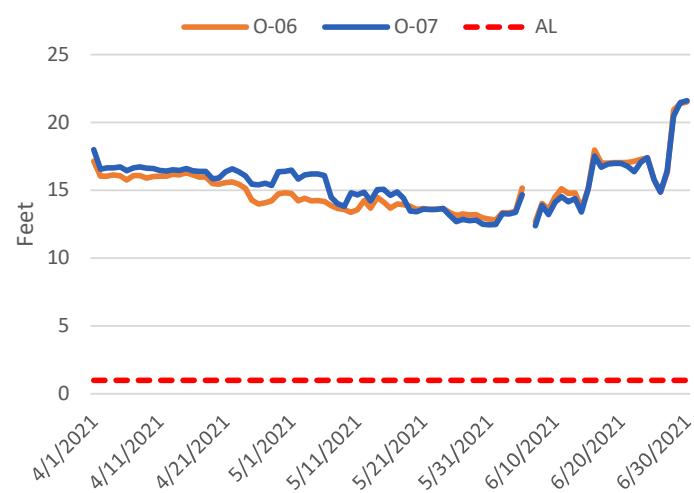


Figure 1p. Hydraulic Gradient for Wells Paired with R-08



### Notes:

Refer to preceding Daily Hydraulic Gradient for Recovery Well Pairings Tables (Tables 4 - 6) for details on missing data points.

#### **ATTACHMENT 4**

#### **Table and Graphs of Fluid Electrical Conductivity Measurements**

**Q2 2021 DAILY FLUID ELECTRICAL CONDUCTIVITY  
INJECTION AND OBSERVATION WELLS**  
FLORENCE COPPER INC.  
FLORENCE, ARIZONA

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**Table 1. April 2021 Daily Fluid Electrical Conductivity Readings**

| Date      | I-01 | I-02 | I-03 | I-04 | O-01 | O-02 | O-03 | O-04 | O-05 | O-06 | O-07 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|
| 4/1/2021  | NA   | 4980 | 4900 | 4910 | 5100 | 3950 | 7450 | 2120 | 3270 | 1624 | 1501 |
| 4/2/2021  | NA   | 4330 | 4300 | 4360 | 5090 | 3920 | 7610 | 2190 | 3370 | 1530 | 1550 |
| 4/3/2021  | NA   | 4880 | 4830 | 4820 | 5190 | 4020 | 7670 | 2740 | 3480 | 1888 | 2010 |
| 4/4/2021  | NA   | 4730 | 4710 | 4770 | 5350 | 4120 | 7790 | 2980 | 3520 | 1529 | 1948 |
| 4/5/2021  | NA   | 5700 | 5610 | 5590 | 5170 | 4080 | 6440 | 2970 | 3360 | 1639 | 1602 |
| 4/6/2021  | NA   | 4940 | 4880 | 4930 | 4860 | 4086 | 6190 | 2660 | 3240 | 2090 | 1537 |
| 4/7/2021  | NA   | 5070 | 5180 | 5240 | 5300 | 4560 | 8170 | 3300 | 3300 | 2320 | 1831 |
| 4/8/2021  | NA   | 4770 | 6030 | 6040 | 4850 | 4060 | 5110 | 2960 | 2960 | 2010 | 1550 |
| 4/9/2021  | NA   | 4910 | 5890 | 5890 | 5350 | 4300 | 8100 | 3230 | 3330 | 2150 | 1855 |
| 4/10/2021 | NA   | 4680 | 4910 | 4850 | 5320 | 4450 | 8270 | 3230 | 3320 | 2190 | 2010 |
| 4/11/2021 | NA   | 4050 | 4140 | 4160 | 5205 | 5050 | 8080 | 3030 | 3340 | 1755 | 1938 |
| 4/12/2021 | NA   | 4330 | 4350 | 4430 | 5010 | 4070 | 7910 | 2100 | 3120 | 1660 | 2030 |
| 4/13/2021 | NA   | 4500 | 4370 | 4750 | 5000 | 4900 | 7880 | 2000 | 3080 | 1594 | 1888 |
| 4/14/2021 | NA   | 3920 | 3880 | 3900 | 5330 | 5790 | 8170 | 2110 | 3310 | 1725 | 1926 |
| 4/15/2021 | NA   | 3930 | 3880 | 3920 | 5290 | 4540 | 8140 | 2170 | 3290 | 1712 | 2130 |
| 4/16/2021 | NA   | 4320 | 4290 | 4360 | 5410 | 4430 | 8270 | 2150 | 3340 | 1755 | 2050 |
| 4/17/2021 | 6130 | 5700 | 6020 | 6100 | 5640 | 5150 | 8390 | 2280 | 3490 | 1850 | 4360 |
| 4/18/2021 | 6300 | 5970 | 6120 | 6060 | 5380 | 6870 | 8210 | 2170 | 3380 | 1781 | 5210 |
| 4/19/2021 | 4100 | 4800 | 4110 | 3940 | 4905 | 5767 | 7707 | 1936 | 3027 | 1647 | 3470 |
| 4/20/2021 | 3760 | 3740 | NA   | 3660 | 4960 | 5360 | 7450 | 2100 | 3140 | 1730 | 5840 |
| 4/21/2021 | 5560 | 5550 | NA   | 5510 | 5140 | 5230 | 7416 | 2170 | 3290 | 1861 | 6330 |
| 4/22/2021 | 4110 | 3860 | NA   | 4010 | 4910 | 5770 | 7400 | 2050 | 3030 | 1724 | 5610 |
| 4/23/2021 | 5170 | 4950 | NA   | 5300 | 4890 | 6520 | 6060 | 2110 | 3030 | 1745 | 6090 |
| 4/24/2021 | 5670 | 5760 | NA   | 6030 | 5090 | 6300 | 7630 | 2240 | 3170 | 1813 | 5700 |
| 4/25/2021 | 5250 | 5170 | NA   | 5320 | 5040 | 6940 | 6620 | 2160 | 3120 | 1803 | 3880 |
| 4/26/2021 | 5720 | 5030 | NA   | 5700 | 4800 | 6620 | 5800 | 1996 | 2920 | 1717 | 5550 |
| 4/27/2021 | 5480 | 5430 | NA   | 5450 | 5080 | 6800 | 7390 | 2140 | 3130 | 1828 | 4380 |
| 4/28/2021 | 5290 | 5190 | NA   | 5350 | 5090 | 6940 | 7690 | 2110 | 3100 | 1800 | 4210 |
| 4/29/2021 | 5160 | 5150 | 4990 | 5080 | 5090 | 6380 | 7420 | 2180 | 3040 | 1870 | 4330 |
| 4/30/2021 | 4650 | 4620 | 4450 | NA   | 5050 | 7000 | 7800 | 2310 | 3140 | 1888 | 3670 |

**Notes:**

All measurements in microsemens per centimeter ( $\mu\text{s}/\text{cm}$ )

NA or NM = Not measured or otherwise not available

4/1 - 4/16/2021: I-01 redevelopment

4/20 - 4/28/2021: I-03 redevelopment

4/30/2021: I-04 redevelopment

## Q2 2021 DAILY FLUID ELECTRICAL CONDUCTIVITY

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## INJECTION AND OBSERVATION WELLS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

Table 2. May 2021 Daily Fluid Electrical Conductivity Readings

| Date      | I-01 | I-02 | I-03 | I-04 | O-01 | O-02 | O-03 | O-04 | O-05 | O-06 | O-07 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|
| 5/1/2021  | 5150 | 4710 | 5120 | NA   | 4860 | 6710 | 7610 | 2130 | 3020 | 1746 | 1780 |
| 5/2/2021  | 5370 | 5360 | 5440 | NA   | 4790 | 6590 | 7530 | 2030 | 3010 | 1715 | 1623 |
| 5/3/2021  | 3600 | 3680 | 3400 | NA   | 5100 | 6980 | 7870 | 2110 | 3210 | 1807 | 1765 |
| 5/4/2021  | 5400 | 5450 | 5550 | NA   | 4860 | 6800 | 5720 | 2070 | 2950 | 1749 | 1622 |
| 5/5/2021  | 4170 | 4550 | 4420 | NA   | 4970 | 6460 | 7550 | 2250 | 2990 | 2180 | 1496 |
| 5/6/2021  | 4470 | 4480 | 4520 | NA   | 4960 | 6790 | 7660 | 2250 | 2990 | 2270 | 1561 |
| 5/7/2021  | 3400 | 3980 | 3400 | NA   | 4800 | 6190 | 7440 | 2190 | 2870 | 2240 | 1552 |
| 5/8/2021  | 4350 | 4190 | 4280 | 6550 | 4720 | 6380 | 7650 | 2340 | 2940 | 2310 | 7290 |
| 5/9/2021  | 4111 | 3920 | 3381 | 3860 | 4730 | 6290 | 7260 | 2380 | 2880 | 2350 | 7090 |
| 5/10/2021 | 4900 | 4740 | 4810 | 4980 | 4700 | 4610 | 7620 | 2780 | 2880 | 2310 | 6720 |
| 5/11/2021 | 3960 | 3790 | 3720 | 3810 | 4710 | 4610 | 7120 | 2280 | 2830 | 2120 | 2290 |
| 5/12/2021 | 5290 | 4470 | 4980 | 5320 | 4700 | 4590 | 7130 | 1831 | 2820 | 1997 | 1553 |
| 5/13/2021 | 3150 | 3400 | 3320 | 3130 | 4800 | 4830 | 7622 | 1909 | 2840 | 1866 | 1588 |
| 5/14/2021 | 3150 | 3400 | 3320 | 3130 | 4660 | 4390 | 7010 | 1825 | 2770 | 1626 | 1614 |
| 5/15/2021 | 4600 | 4510 | 4540 | 4530 | 4720 | 4370 | 6820 | 1906 | 2810 | 1632 | 1598 |
| 5/16/2021 | 5300 | 5130 | 4880 | 5180 | 4740 | 4650 | 6170 | 1810 | 2770 | 1620 | 1520 |
| 5/17/2021 | 4790 | 4690 | 4550 | 4790 | 4810 | 4820 | 7420 | 1860 | 2840 | 1506 | 1527 |
| 5/18/2021 | 4450 | 4510 | 4440 | 4430 | 4900 | 4240 | 6710 | 1821 | 2870 | 1520 | 1520 |
| 5/19/2021 | 4600 | 4430 | 4490 | 4740 | 5250 | 4680 | 7520 | 2110 | 3080 | 1669 | 5990 |
| 5/20/2021 | 4930 | 4680 | 4740 | 4690 | NA   | 5036 | 8166 | NA   | NA   | NA   | NA   |
| 5/21/2021 | 3826 | 3757 | 3768 | 3766 | 5620 | 5210 | 7262 | 6630 | 7440 | 6960 | 4450 |
| 5/22/2021 | 3358 | 3590 | 3297 | 3329 | 5280 | 4720 | 7520 | 3850 | 3210 | 1710 | 6470 |
| 5/23/2021 | 4356 | 3679 | 4273 | 4149 | 4890 | 4350 | 6860 | 2450 | 2910 | 1581 | 6010 |
| 5/24/2021 | 4235 | 4001 | 4237 | 4233 | 5610 | 4960 | 7535 | 5580 | 7100 | 6870 | 4400 |
| 5/25/2021 | 4052 | 3950 | 3938 | 3942 | 6180 | 4990 | 7194 | 6600 | 3060 | 2940 | 1629 |
| 5/26/2021 | 4540 | 4620 | 4610 | 4640 | 4810 | 4866 | 6850 | 3710 | 2950 | 1680 | 5740 |
| 5/27/2021 | 4816 | 4522 | 4830 | 4757 | 4800 | 4330 | NA   | 4660 | 3000 | 1747 | 6010 |
| 5/28/2021 | 4374 | 4464 | 4513 | 4506 | 4780 | 4380 | NA   | 5480 | 3090 | 1763 | 5660 |
| 5/29/2021 | 4280 | 4360 | 4100 | 4250 | 4700 | 4250 | 6847 | 4440 | 3070 | 1762 | 5610 |
| 5/30/2021 | 4390 | 4520 | 4710 | 4690 | 4650 | 4230 | 6890 | 4570 | 3070 | 1815 | 5550 |
| 5/31/2021 | 4760 | 4830 | 4770 | 4700 | 4670 | 4180 | 6720 | 5440 | 3060 | 1932 | 5600 |

**Notes:**

All measurements in microsemens per centimeter (uS/cm)

NA or NM = Not measured or otherwise not available

5/1 - 5/7/2021: I-04 redevelopment

5/8/2021: I-04 value is outlier attributed to operator error

5/20/2021: Observation wells sampling conducted

5/27 - 5/28/2021: O-03 redevelopment

**Q2 2021 DAILY FLUID ELECTRICAL CONDUCTIVITY  
INJECTION AND OBSERVATION WELLS**  
**FLORENCE COPPER INC.**  
**FLORENCE, ARIZONA**

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**Table 3. June 2021 Daily Fluid Electrical Conductivity Readings**

| Date      | I-01 | I-02 | I-03 | I-04 | O-01 | O-02 | O-03 | O-04 | O-05 | O-06 | O-07 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|
| 6/1/2021  | 4149 | 4140 | 4288 | 4190 | 4720 | 4220 | 6820 | 6120 | 3060 | 1956 | 5610 |
| 6/2/2021  | 4321 | 4103 | 4411 | 4326 | 4840 | 4420 | 7130 | 6410 | 3300 | 2030 | 5910 |
| 6/3/2021  | 4472 | 4317 | 5238 | 4556 | 5040 | 4700 | 7460 | 6570 | 3390 | 2040 | 6240 |
| 6/4/2021  | 5422 | 5202 | 5375 | 5312 | 4740 | 4630 | 7290 | 3700 | 2920 | 1930 | 5830 |
| 6/5/2021  | 4570 | 4608 | 4602 | 4451 | 4660 | 4320 | 6900 | 1849 | 2870 | 1851 | 5470 |
| 6/6/2021  | 4631 | 4586 | 4474 | 4638 | 4720 | 4160 | 6680 | 1772 | 2820 | 1940 | 5400 |
| 6/7/2021  | 4355 | 4470 | 4383 | 4403 | 4940 | 6490 | 3950 | 1793 | 2890 | 2050 | 5540 |
| 6/8/2021  | 4362 | 4313 | 4344 | 4347 | 5100 | 4380 | 6920 | 1840 | 2960 | 2110 | 5380 |
| 6/9/2021  | 4248 | 4866 | 4249 | 4306 | 5000 | 4360 | 6866 | 1843 | 2970 | 2090 | 5350 |
| 6/10/2021 | 4646 | 4596 | 4651 | 4596 | 4810 | 4430 | 6450 | 2010 | 2810 | 2120 | 5460 |
| 6/11/2021 | 4356 | 4460 | 4302 | 4395 | 4830 | 4220 | 6680 | 1825 | 2690 | 2040 | 5550 |
| 6/12/2021 | 4330 | 4397 | 4326 | 4338 | 4780 | 4410 | 6900 | 1876 | 2730 | 1744 | 5620 |
| 6/13/2021 | 5371 | 5004 | 5285 | 5322 | 4720 | 4600 | 5560 | 1886 | NA   | 1721 | 5660 |
| 6/14/2021 | 4767 | 4841 | 4727 | 4851 | 4720 | 4190 | 6510 | 1841 | 2760 | 1549 | 5300 |
| 6/15/2021 | 4924 | 4777 | 4940 | 4929 | 4630 | 4090 | 6550 | 1836 | 2730 | 1516 | 5330 |
| 6/16/2021 | 5715 | 5642 | 5707 | 5674 | 4600 | 4340 | 5810 | 1885 | 2810 | 1680 | 5320 |
| 6/17/2021 | 4338 | 4662 | 4429 | 4328 | 4900 | 4330 | 7120 | 1901 | 2820 | 1726 | 5310 |
| 6/18/2021 | 4728 | 4564 | 4534 | 4698 | 4680 | 4030 | 6500 | 2240 | 2810 | 1532 | 5770 |
| 6/19/2021 | 4105 | 4160 | 4188 | 4089 | 4800 | 4420 | 7250 | 2260 | 2790 | 1619 | 5700 |
| 6/20/2021 | 5214 | 4503 | 4359 | 4360 | 4710 | 4100 | 6950 | 2260 | 2890 | 1524 | 6190 |
| 6/21/2021 | 4639 | 4622 | 4535 | 4587 | 4580 | 4050 | 6900 | 2200 | 2840 | 1506 | 6110 |
| 6/22/2021 | 4744 | 4668 | 4627 | 4728 | 4650 | 4000 | 6700 | 2170 | 2830 | 1521 | 5740 |
| 6/23/2021 | 4605 | 4534 | 4540 | 4530 | 4660 | 4060 | 6750 | 1946 | 2750 | 1516 | 5270 |
| 6/24/2021 | 4292 | 4222 | 4285 | 4226 | 4700 | 4060 | 6770 | 1949 | 2770 | 1545 | 5220 |
| 6/25/2021 | 4079 | 3971 | 3996 | 4001 | 4750 | 4280 | 7170 | 1882 | 2800 | 1503 | 5100 |
| 6/26/2021 | 3788 | 3864 | 3848 | 3931 | 4650 | 4060 | 6550 | 1823 | 2740 | 1510 | 5012 |
| 6/27/2021 | 4373 | 4387 | 4321 | 4334 | 4650 | 4320 | 6790 | 1783 | 2710 | 1489 | 5050 |
| 6/28/2021 | 4235 | 4236 | 4159 | 4198 | 4650 | 3930 | 6510 | 1831 | 2810 | 1516 | 5240 |
| 6/29/2021 | 4211 | 4318 | 4352 | 4397 | 4610 | 3860 | 6460 | 1832 | 2810 | 1948 | 4970 |
| 6/30/2021 | 4026 | 2004 | 3820 | 3997 | 4580 | 3810 | 6100 | 1886 | 2870 | 2270 | 4670 |

**Notes:**

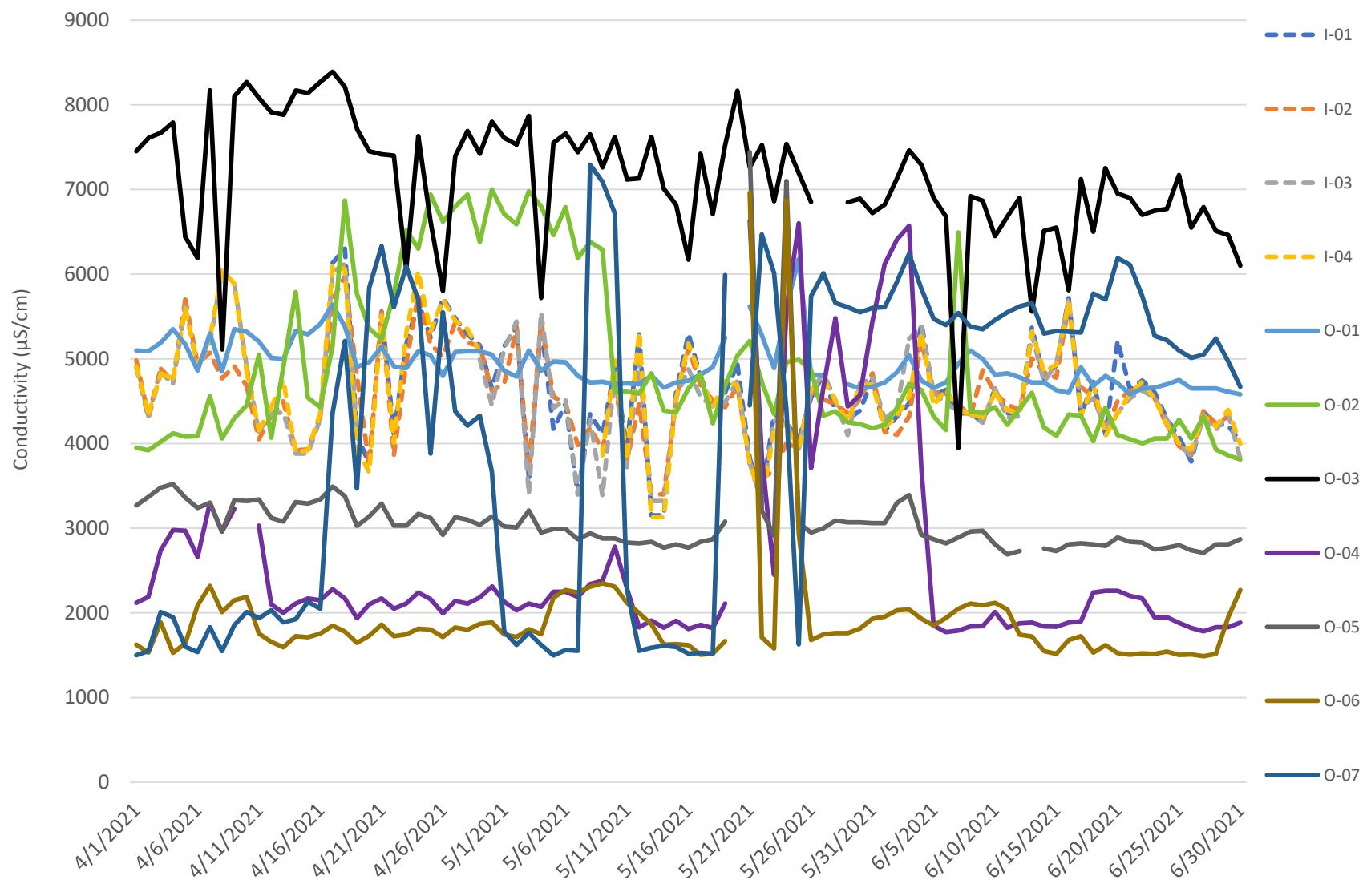
All measurements in microsemens per centimeter (uS/cm)

NA or NM = Not measured or otherwise not available

6/13/2021: O-05 pump down

6/30/2021: I-02 value is outlier attributed to operator error.

Figure 1. Daily Fluid Electrical Conductivity in Injection & Observation Wells



## **ATTACHMENT 5**

### **Table and Graphs of Bulk Electrical Conductivity Measurements**

**MEMORANDUM**

28 July 2021  
File No. 133887-010

TO: Florence Copper Inc.  
Mr. Brent Berg, General Manager

C: Florence Copper Inc.  
Mr. Ian Ream, Senior Hydrogeologist

FROM: Haley & Aldrich, Inc.  
Laura Menken, R.G.

SUBJECT: Summary of Bulk Electrical Conductivity Monitoring Results, Second Quarter 2021  
Production Test Facility, Florence Copper Inc., Florence, Arizona



Haley & Aldrich, Inc. (Haley & Aldrich) has conducted statistical analysis of bulk electrical conductivity (EC) data collected by HydroGeophysics, Inc. at the Florence Copper Inc. (Florence Copper) Production Test Facility (PTF) located in Florence, Arizona, in accordance with Underground Injection Control (UIC) Permit No. R9UIC-AZ3-FR11-1. The procedures used to complete the analysis were described in the document titled *Procedures for Determining Bulk Electrical Conductivity Alert Levels* (Haley & Aldrich, 2018).<sup>1</sup> Alert levels (AL) for bulk EC were approved in the letter issued by the U.S. Environmental Protection Agency dated 14 December 2018.

**Alert Levels**

To ensure that in-situ copper recovery fluids do not enter the Lower Basin Fill Unit (LBFU) from the Bedrock Oxide Unit, the three upper horizons (1 through 3) are monitored. The following ALs are established for these horizons:

| Electrode Pair Horizon | Alert Level<br>(ohm-meters) |
|------------------------|-----------------------------|
| Horizon 1              | 9.67                        |
| Horizon 2              | 9.89                        |
| Horizon 3              | 10.07                       |

The ALs represent minimum values. Consequently, an exceedance is indicated if the measured apparent resistivity on one of these horizons is *lower* than the established AL on three adjacent or intersecting current paths.

<sup>1</sup> Haley & Aldrich, Inc., 2018. *Procedures for Determining Bulk Electrical Conductivity Alert Levels, Production Test Facility, Florence Copper Project*. August.

## **Second Quarter 2021 Monitoring Results**

Second quarter (Q2) 2021 includes 13 monitoring events for bulk EC between 1 April and 24 June 2021. Monitoring events were conducted on a weekly basis. No bulk EC AL exceedances occurred during the Q2 2021 monitoring period. Bulk EC monitoring maps for the monitoring period detail these results (Figures 1 through 13).

### **Data Summary**

Tables 1 through 3 list the apparent resistivity results over this monitoring period for horizons 1 through 3, respectively.

Relative to the baseline dataset, no outliers were detected on these monitoring dates (defined as values over 4 times the interquartile range outside the range around the data median). As shown by the box plots presented in Attachment A and Tables 1 through 3, the grouped data from each horizon fall within the range of the baseline dataset.

Attachment B shows the data from each horizon over time, during the baseline period, and monitoring both before and after the PTF became operational. The data collected during Q2 2021 is within the established tolerance limits.

Enclosures:

Table 1: Bulk Electrical Conductivity Monitoring Results, Horizon 1 (40 Feet Above LBFU/Oxide Contact)

Table 2: Bulk Electrical Conductivity Monitoring Results, Horizon 2 (20 Feet Above LBFU/Oxide Contact)

Table 3: Bulk Electrical Conductivity Monitoring Results, Horizon 3 (at LBFU/Oxide Contact)

Figure 1: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 4/1/2021

Figure 2: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 4/9/2021

Figure 3: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 4/14/2021

Figure 4: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 4/21/2021

Figure 5: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 4/28/2021

Figure 6: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 5/5/2021

Figure 7: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 5/13/2021

Figure 8: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 5/19/2021

Figure 9: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 5/26/2021

Figure 10: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 6/2/2021

Figure 11: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 6/10/2021

Figure 12: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 6/16/2021

Figure 13: Apparent Bulk Resistivity Between Electrode Pairs by Horizon – 6/24/2021

Attachment A: Box Diagrams for Second Quarter Monitoring Data

Attachment B: Summary Plot of Bulk Electrical Conductivity

## **TABLES**

**TABLE 1****BULK ELECTRICAL CONDUCTIVITY MONITORING RESULTS****HORIZON 1 (40 FEET ABOVE LBFU/OXIDE CONTACT)**

FLORENCE COPPER INC.

FLORENCE, ARIZONA

| Electrode 1 | Electrode 2 | Sending Well | Receiving Well | Apparent Resistivity ( $\Omega\text{-m}$ ) |          |           |           |           |          |           |           |           |          |           |           |           |
|-------------|-------------|--------------|----------------|--|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
|             |             |              |                | 4/1/2021                                   | 4/9/2021 | 4/14/2021 | 4/21/2021 | 4/28/2021 | 5/5/2021 | 5/13/2021 | 5/19/2021 | 5/26/2021 | 6/2/2021 | 6/10/2021 | 6/16/2021 | 6/24/2021 |
| B-01-BC-01  | B-02-BC-01  | O-01         | O-02           | 12.90                                      | 12.84    | 12.81     | 12.86     | 12.92     | 12.83    | 12.84     | 12.95     | 12.89     | 12.76    | 12.84     | 12.88     | 12.80     |
| B-01-BC-01  | B-03-BC1-02 | O-01         | O-03           | 11.73                                      | 11.61    | 11.57     | 11.62     | 11.82     | 11.59    | 11.59     | 11.80     | 11.62     | 11.31    | 11.59     | 11.59     | 11.44     |
| B-01-BC-01  | B-04-BC-01  | O-01         | O-04           | 13.92                                      | 13.80    | 13.19     | 13.82     | 13.83     | 13.73    | 13.80     | 14.04     | 13.85     | 13.68    | 13.78     | 13.77     | 13.59     |
| B-01-BC-01  | B-05-BC-01  | O-01         | O-05           | 12.81                                      | 12.68    | 12.20     | 12.70     | 12.56     | 12.66    | 12.63     | 12.88     | 12.72     | 12.57    | 12.68     | 12.66     | 12.50     |
| B-01-BC-01  | B-06-BC-01  | O-01         | O-06           | 12.18                                      | 12.08    | 11.68     | 12.11     | 11.92     | 12.06    | 12.04     | 12.26     | 12.10     | 11.98    | 12.07     | 12.06     | 11.88     |
| B-01-BC-01  | B-07-BC1-02 | O-01         | O-07           | 12.08                                      | 12.02    | 11.77     | 12.03     | 11.92     | 11.99    | 12.01     | 12.14     | 12.03     | 11.95    | 12.00     | 12.01     | 11.87     |
| B-02-BC-01  | B-03-BC1-02 | O-02         | O-03           | 10.70                                      | 10.65    | 10.63     | 10.67     | 10.72     | 10.66    | 10.67     | 10.79     | 10.67     | 10.48    | 10.68     | 10.63     | 10.53     |
| B-02-BC-01  | B-04-BC-01  | O-02         | O-04           | 14.59                                      | 14.47    | 14.02     | 14.50     | 14.35     | 14.43    | 14.49     | 14.73     | 14.53     | 14.43    | 14.48     | 14.44     | 14.24     |
| B-02-BC-01  | B-05-BC-01  | O-02         | O-05           | 14.10                                      | 14.00    | 13.48     | 14.02     | 13.71     | 13.96    | 13.94     | 14.24     | 14.04     | 13.80    | 14.02     | 14.00     | 13.78     |
| B-02-BC-01  | B-06-BC-01  | O-02         | O-06           | 14.05                                      | 13.94    | 13.43     | 13.97     | 13.58     | 13.88    | 13.86     | 14.16     | 13.95     | 13.83    | 13.95     | 13.91     | 13.62     |
| B-02-BC-01  | B-07-BC1-02 | O-02         | O-07           | 12.79                                      | 12.72    | 12.36     | 12.75     | 12.45     | 12.67    | 12.71     | 12.88     | 12.74     | 12.61    | 12.70     | 12.69     | 12.47     |
| B-03-BC1-02 | B-04-BC-01  | O-03         | O-04           | 12.96                                      | 12.98    | 12.62     | 12.97     | 12.81     | 12.93    | 12.93     | 13.16     | 12.99     | 12.88    | 12.93     | 12.94     | 12.78     |
| B-03-BC1-02 | B-05-BC-01  | O-03         | O-05           | 13.50                                      | 13.48    | 13.03     | 13.48     | 13.16     | 13.46    | 13.42     | 13.71     | 13.48     | 13.40    | 13.47     | 13.42     | 13.26     |
| B-03-BC1-02 | B-06-BC-01  | O-03         | O-06           | 14.72                                      | 14.69    | 14.13     | 14.71     | 14.21     | 14.61    | 14.59     | 14.95     | 14.67     | 14.34    | 14.66     | 14.64     | 14.32     |
| B-03-BC1-02 | B-07-BC1-02 | O-03         | O-07           | 13.88                                      | 13.87    | 13.39     | 13.88     | 13.43     | 13.80    | 13.85     | 14.10     | 13.87     | 13.54    | 13.83     | 13.82     | 13.51     |
| B-04-BC-01  | B-05-BC-01  | O-04         | O-05           | 10.88                                      | 10.90    | 10.72     | 10.90     | 10.86     | 10.89    | 10.87     | 10.99     | 10.91     | 10.87    | 10.89     | 10.87     | 10.82     |
| B-04-BC-01  | B-06-BC-01  | O-04         | O-06           | 12.59                                      | 12.58    | 12.18     | 12.62     | 12.44     | 12.56    | 12.50     | 12.81     | 12.64     | 12.53    | 12.58     | 12.59     | 12.35     |
| B-04-BC-01  | B-07-BC1-02 | O-04         | O-07           | 13.32                                      | 13.35    | 12.91     | 13.39     | 13.17     | 13.30    | 13.30     | 13.59     | 13.38     | 13.22    | 13.33     | 13.31     | 13.06     |
| B-05-BC-01  | B-06-BC-01  | O-05         | O-06           | 10.25                                      | 10.25    | 9.98      | 10.28     | 10.24     | 10.22    | 10.19     | 10.39     | 10.28     | 10.21    | 10.23     | 10.23     | 10.12     |
| B-05-BC-01  | B-07-BC1-02 | O-05         | O-07           | 11.20                                      | 11.21    | 10.84     | 11.22     | 11.17     | 11.17    | 11.15     | 11.38     | 11.23     | 11.14    | 11.18     | 11.20     | 10.99     |
| B-06-BC-01  | B-07-BC1-02 | O-06         | O-07           | 10.19                                      | 10.16    | 9.98      | 10.19     | 10.18     | 10.17    | 10.14     | 10.26     | 10.19     | 10.11    | 10.18     | 10.16     | 10.07     |

**Notes** $\Omega\text{-m}$  = ohm-meters

LBFU = Lower Basin Fill Unit

Oxide = Bedrock Oxide Unit

Horizon 1 Alert Level = 9.67  $\Omega\text{-m}$

**TABLE 2****BULK ELECTRICAL CONDUCTIVITY MONITORING RESULTS****HORIZON 2 (20 FEET ABOVE LBFU/OXIDE CONTACT)**

FLORENCE COPPER INC.

FLORENCE, ARIZONA

| Electrode 1 | Electrode 2 | Sending Well | Receiving Well | Apparent Resistivity ( $\Omega\text{-m}$ ) |          |           |           |           |          |           |           |           |          |           |           |           |
|-------------|-------------|--------------|----------------|--|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
|             |             |              |                | 4/1/2021                                   | 4/9/2021 | 4/14/2021 | 4/21/2021 | 4/28/2021 | 5/5/2021 | 5/13/2021 | 5/19/2021 | 5/26/2021 | 6/2/2021 | 6/10/2021 | 6/16/2021 | 6/24/2021 |
| B-01-BC-01  | B-02-BC-01  | O-01         | O-02           | 14.63                                      | 14.58    | 14.56     | 14.59     | 14.65     | 14.57    | 14.56     | 14.67     | 14.60     | 14.50    | 14.57     | 14.59     | 14.52     |
| B-01-BC-01  | B-03-BC1-02 | O-01         | O-03           | 11.80                                      | 11.70    | 11.65     | 11.72     | 11.90     | 11.67    | 11.68     | 11.86     | 11.72     | 11.40    | 11.71     | 11.69     | 11.53     |
| B-01-BC-01  | B-04-BC-01  | O-01         | O-04           | 13.85                                      | 13.70    | 13.16     | 13.74     | 13.75     | 13.69    | 13.68     | 13.87     | 13.75     | 13.56    | 13.72     | 13.69     | 13.52     |
| B-01-BC-01  | B-05-BC-01  | O-01         | O-05           | 12.69                                      | 12.56    | 12.08     | 12.59     | 12.44     | 12.56    | 12.49     | 12.74     | 12.59     | 12.49    | 12.57     | 12.56     | 12.40     |
| B-01-BC-01  | B-06-BC-01  | O-01         | O-06           | 12.07                                      | 11.97    | 11.57     | 12.00     | 11.81     | 11.96    | 11.96     | 12.12     | 12.02     | 11.99    | 11.98     | 11.95     | 11.76     |
| B-01-BC-01  | B-07-BC1-02 | O-01         | O-07           | 12.04                                      | 11.99    | 11.74     | 12.01     | 11.89     | 11.97    | 11.97     | 12.09     | 12.03     | 11.94    | 12.00     | 11.98     | 11.85     |
| B-02-BC-01  | B-03-BC1-02 | O-02         | O-03           | 11.36                                      | 11.31    | 11.27     | 11.33     | 11.39     | 11.31    | 11.32     | 11.43     | 11.34     | 11.13    | 11.31     | 11.26     | 11.19     |
| B-02-BC-01  | B-04-BC-01  | O-02         | O-04           | 14.67                                      | 14.57    | 14.13     | 14.60     | 14.44     | 14.54    | 14.57     | 14.83     | 14.59     | 14.54    | 14.61     | 14.60     | 14.37     |
| B-02-BC-01  | B-05-BC-01  | O-02         | O-05           | 14.13                                      | 14.05    | 13.54     | 14.09     | 13.77     | 14.03    | 13.99     | 14.29     | 14.08     | 13.96    | 14.08     | 14.04     | 13.86     |
| B-02-BC-01  | B-06-BC-01  | O-02         | O-06           | 14.07                                      | 14.00    | 13.51     | 14.03     | 13.64     | 13.94    | 13.99     | 14.22     | 14.01     | 13.93    | 14.00     | 13.98     | 13.69     |
| B-02-BC-01  | B-07-BC1-02 | O-02         | O-07           | 12.78                                      | 12.73    | 12.35     | 12.76     | 12.46     | 12.68    | 12.72     | 12.90     | 12.75     | 12.62    | 12.73     | 12.72     | 12.50     |
| B-03-BC1-02 | B-04-BC-01  | O-03         | O-04           | 12.97                                      | 12.95    | 12.60     | 12.97     | 12.81     | 12.88    | 12.95     | 13.16     | 12.97     | 12.81    | 12.93     | 12.91     | 12.77     |
| B-03-BC1-02 | B-05-BC-01  | O-03         | O-05           | 13.38                                      | 13.37    | 12.91     | 13.38     | 13.04     | 13.30    | 13.30     | 13.58     | 13.39     | 13.16    | 13.34     | 13.34     | 13.16     |
| B-03-BC1-02 | B-06-BC-01  | O-03         | O-06           | 14.59                                      | 14.59    | 14.00     | 14.60     | 14.11     | 14.51    | 14.60     | 14.85     | 14.58     | 14.12    | 14.55     | 14.55     | 14.24     |
| B-03-BC1-02 | B-07-BC1-02 | O-03         | O-07           | 13.65                                      | 13.67    | 13.09     | 13.67     | 13.20     | 13.58    | 13.65     | 13.88     | 13.65     | 13.17    | 13.62     | 13.63     | 13.32     |
| B-04-BC-01  | B-05-BC-01  | O-04         | O-05           | 11.23                                      | 11.23    | 11.08     | 11.24     | 11.21     | 11.22    | 11.19     | 11.33     | 11.23     | 11.21    | 11.23     | 11.20     | 11.18     |
| B-04-BC-01  | B-06-BC-01  | O-04         | O-06           | 12.57                                      | 12.59    | 12.23     | 12.60     | 12.42     | 12.55    | 12.54     | 12.79     | 12.60     | 12.49    | 12.58     | 12.56     | 12.35     |
| B-04-BC-01  | B-07-BC1-02 | O-04         | O-07           | 13.10                                      | 13.15    | 12.67     | 13.18     | 12.95     | 13.12    | 13.09     | 13.39     | 13.17     | 12.98    | 13.15     | 13.11     | 12.86     |
| B-05-BC-01  | B-06-BC-01  | O-05         | O-06           | 10.46                                      | 10.48    | 10.23     | 10.49     | 10.44     | 10.48    | 10.46     | 10.60     | 10.49     | 10.42    | 10.45     | 10.43     | 10.33     |
| B-05-BC-01  | B-07-BC1-02 | O-05         | O-07           | 11.03                                      | 11.05    | 10.65     | 11.06     | 11.00     | 11.01    | 11.01     | 11.22     | 11.06     | 10.94    | 11.05     | 11.02     | 10.84     |
| B-06-BC-01  | B-07-BC1-02 | O-06         | O-07           | 10.95                                      | 10.93    | 10.75     | 10.95     | 10.95     | 10.91    | 10.90     | 11.02     | 10.94     | 10.89    | 10.92     | 10.91     | 10.84     |

**Notes** $\Omega\text{-m}$  = ohm-meters

LBFU = Lower Basin Fill Unit

Oxide = Bedrock Oxide Unit

Horizon 2 Alert Level = 9.89  $\Omega\text{-m}$

TABLE 3

## BULK ELECTRICAL CONDUCTIVITY MONITORING RESULTS

HORIZON 3 (AT LBFU/OXIDE CONTACT)

FLORENCE COPPER INC.

FLORENCE, ARIZONA

| Electrode 1 | Electrode 2 | Sending Well | Receiving Well | Apparent Resistivity ( $\Omega\text{-m}$ ) |          |           |           |           |          |           |           |           |          |           |           |           |
|-------------|-------------|--------------|----------------|--|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
|             |             |              |                | 4/1/2021                                   | 4/9/2021 | 4/14/2021 | 4/21/2021 | 4/28/2021 | 5/5/2021 | 5/13/2021 | 5/19/2021 | 5/26/2021 | 6/2/2021 | 6/10/2021 | 6/16/2021 | 6/24/2021 |
| B-01-BC-01  | B-02-BC-01  | O-01         | O-02           | 15.49                                      | 15.45    | 15.42     | 15.47     | 15.54     | 15.46    | 15.43     | 15.56     | 15.50     | 15.37    | 15.43     | 15.45     | 15.36     |
| B-01-BC-01  | B-03-BC1-02 | O-01         | O-03           | 11.98                                      | 11.88    | 11.84     | 11.92     | 12.08     | 11.87    | 11.89     | 12.04     | 11.82     | 11.79    | 11.89     | 11.92     | 11.68     |
| B-01-BC-01  | B-04-BC-01  | O-01         | O-04           | 13.76                                      | 13.61    | 13.15     | 13.67     | 13.70     | 13.60    | 13.60     | 13.84     | 13.70     | 13.49    | 13.66     | 13.66     | 13.45     |
| B-01-BC-01  | B-05-BC-01  | O-01         | O-05           | 12.58                                      | 12.45    | 11.99     | 12.49     | 12.35     | 12.44    | 12.41     | 12.64     | 12.50     | 12.41    | 12.48     | 12.49     | 12.31     |
| B-01-BC-01  | B-06-BC-01  | O-01         | O-06           | 11.91                                      | 11.82    | 11.44     | 11.87     | 11.67     | 11.81    | 11.80     | 11.96     | 11.87     | 11.77    | 11.84     | 11.83     | 11.63     |
| B-01-BC-01  | B-07-BC1-02 | O-01         | O-07           | 12.29                                      | 12.24    | 11.99     | 12.26     | 12.14     | 12.22    | 12.22     | 12.33     | 12.26     | 12.20    | 12.23     | 12.24     | 12.11     |
| B-02-BC-01  | B-03-BC1-02 | O-02         | O-03           | 11.34                                      | 11.27    | 11.23     | 11.29     | 11.32     | 11.23    | 11.26     | 11.38     | 11.71     | 11.17    | 11.27     | 11.28     | 11.17     |
| B-02-BC-01  | B-04-BC-01  | O-02         | O-04           | 14.52                                      | 14.44    | 13.96     | 14.45     | 14.31     | 14.33    | 14.38     | 14.64     | 14.47     | 14.38    | 14.46     | 14.47     | 14.23     |
| B-02-BC-01  | B-05-BC-01  | O-02         | O-05           | 13.98                                      | 13.89    | 13.40     | 13.93     | 13.61     | 13.85    | 13.85     | 14.10     | 13.93     | 13.77    | 13.90     | 13.94     | 13.73     |
| B-02-BC-01  | B-06-BC-01  | O-02         | O-06           | 13.93                                      | 13.85    | 13.37     | 13.87     | 13.50     | 13.80    | 13.85     | 14.05     | 13.88     | 13.75    | 13.87     | 13.88     | 13.58     |
| B-02-BC-01  | B-07-BC1-02 | O-02         | O-07           | 12.85                                      | 12.80    | 12.41     | 12.84     | 12.54     | 12.77    | 12.80     | 12.95     | 12.81     | 12.73    | 12.82     | 12.80     | 12.60     |
| B-03-BC1-02 | B-04-BC-01  | O-03         | O-04           | 12.92                                      | 12.93    | 12.58     | 12.94     | 12.81     | 12.86    | 12.88     | 13.14     | 12.92     | 12.62    | 12.94     | 12.88     | 12.72     |
| B-03-BC1-02 | B-05-BC-01  | O-03         | O-05           | 13.70                                      | 13.71    | 13.25     | 13.72     | 13.39     | 13.66    | 13.65     | 13.94     | 13.37     | 13.32    | 13.68     | 13.63     | 13.43     |
| B-03-BC1-02 | B-06-BC-01  | O-03         | O-06           | 15.18                                      | 15.20    | 14.71     | 15.21     | 14.77     | 15.18    | 15.15     | 15.49     | 14.60     | 14.79    | 15.18     | 15.11     | 14.76     |
| B-03-BC1-02 | B-07-BC1-02 | O-03         | O-07           | 14.10                                      | 14.11    | 13.62     | 14.14     | 13.71     | 14.08    | 14.06     | 14.37     | 13.62     | 13.68    | 14.11     | 14.04     | 13.73     |
| B-04-BC-01  | B-05-BC-01  | O-04         | O-05           | 11.89                                      | 11.91    | 11.75     | 11.92     | 11.88     | 11.89    | 11.88     | 11.99     | 11.92     | 11.83    | 11.89     | 11.88     | 11.85     |
| B-04-BC-01  | B-06-BC-01  | O-04         | O-06           | 12.67                                      | 12.70    | 12.33     | 12.71     | 12.54     | 12.65    | 12.64     | 12.89     | 12.76     | 12.56    | 12.70     | 12.67     | 12.47     |
| B-04-BC-01  | B-07-BC1-02 | O-04         | O-07           | 13.00                                      | 13.04    | 12.56     | 13.05     | 12.85     | 13.00    | 12.94     | 13.24     | 13.07     | 12.89    | 13.03     | 12.99     | 12.77     |
| B-05-BC-01  | B-06-BC-01  | O-05         | O-06           | 10.72                                      | 10.73    | 10.51     | 10.73     | 10.71     | 10.73    | 10.71     | 10.87     | 10.75     | 10.68    | 10.73     | 10.74     | 10.61     |
| B-05-BC-01  | B-07-BC1-02 | O-05         | O-07           | 10.89                                      | 10.93    | 10.53     | 10.92     | 10.86     | 10.89    | 10.86     | 11.08     | 10.92     | 10.76    | 10.89     | 10.89     | 10.71     |
| B-06-BC-01  | B-07-BC1-02 | O-06         | O-07           | 11.16                                      | 11.14    | 10.98     | 11.15     | 11.16     | 11.13    | 11.12     | 11.22     | 11.16     | 11.06    | 11.15     | 11.13     | 11.06     |

## Notes

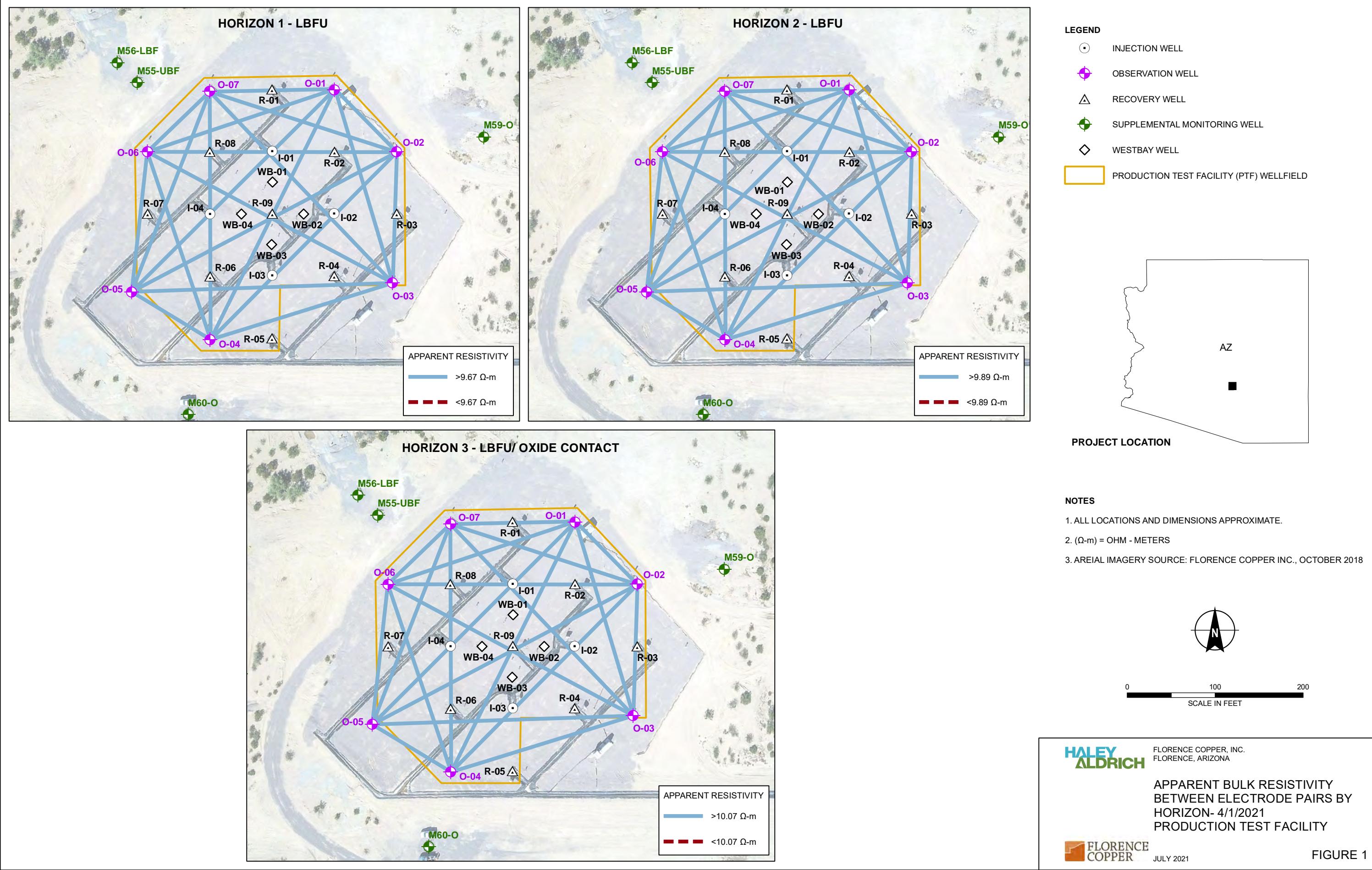
 $\Omega\text{-m}$  = ohm-meters

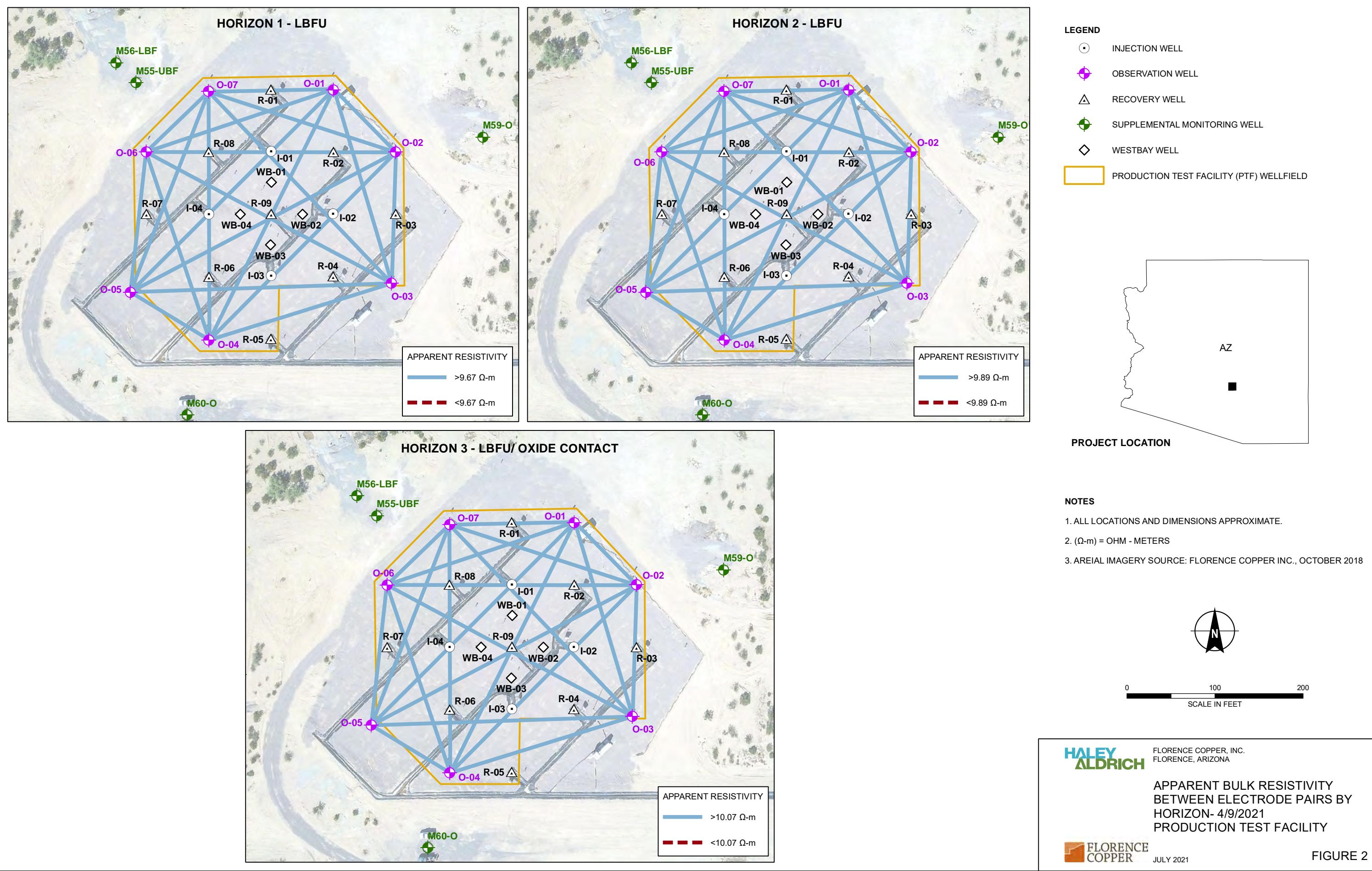
LBFU = Lower Basin Fill Unit

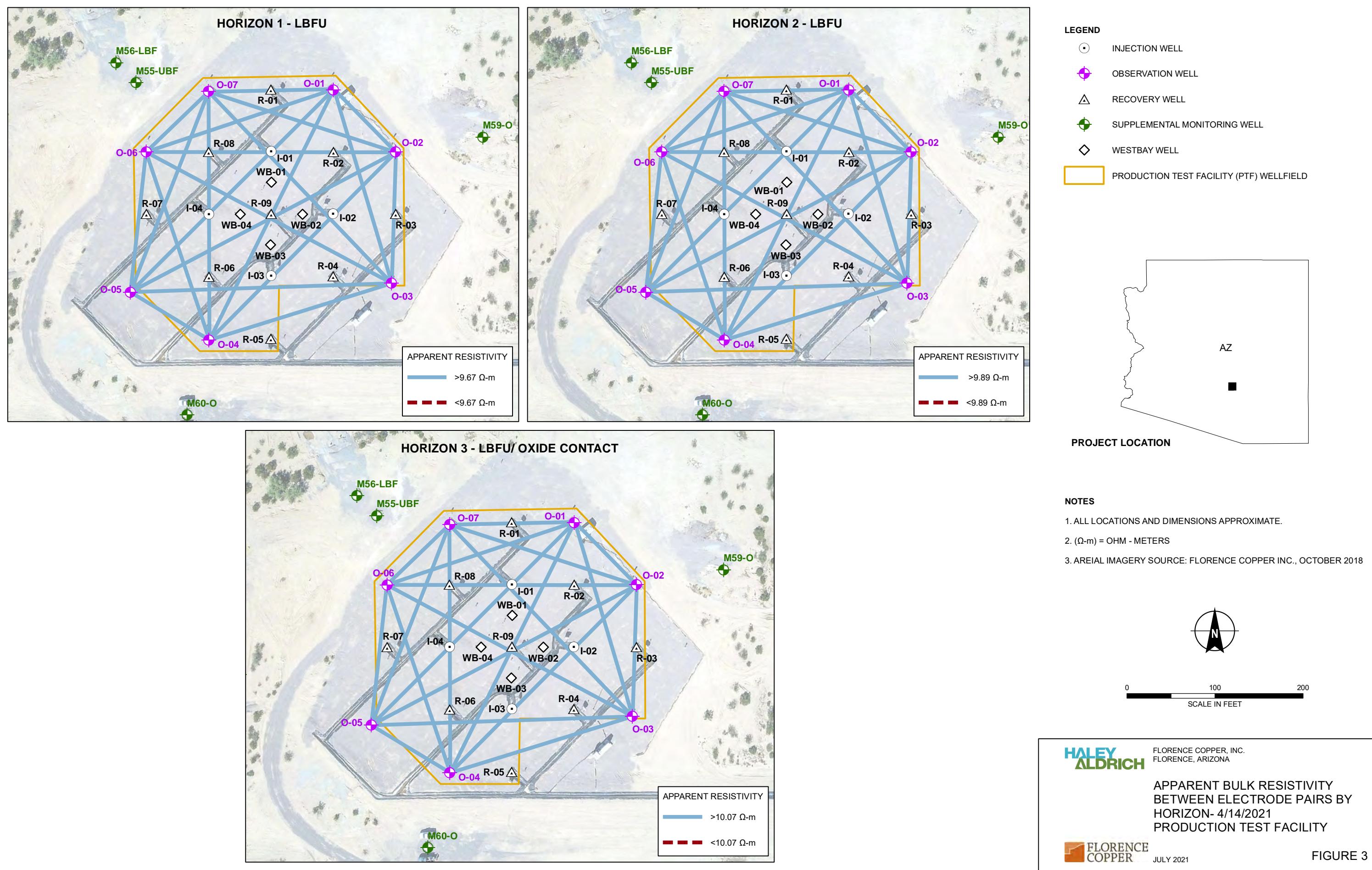
Oxide = Bedrock Oxide Unit

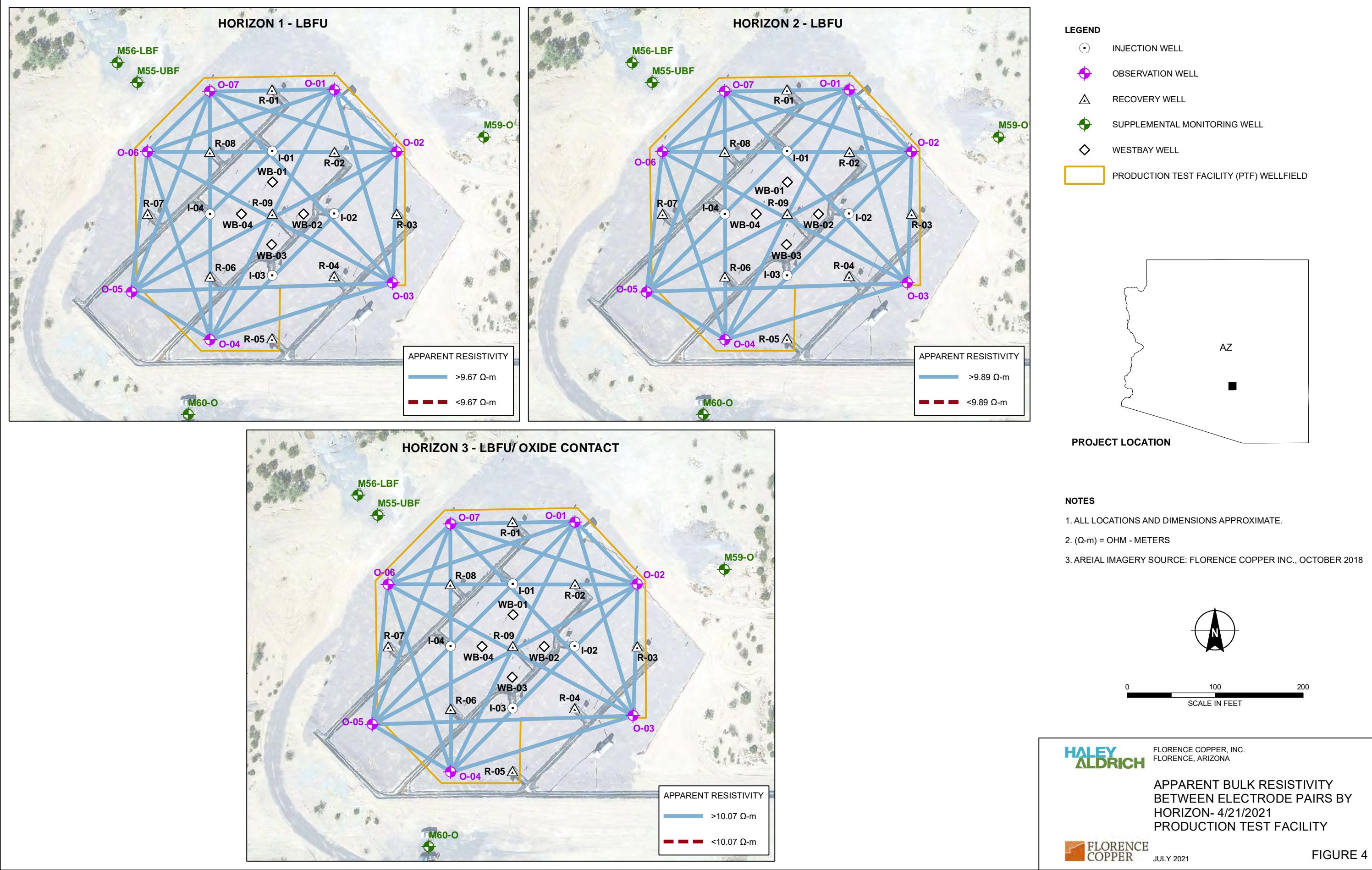
Horizon 3 Alert Level = 10.07  $\Omega\text{-m}$

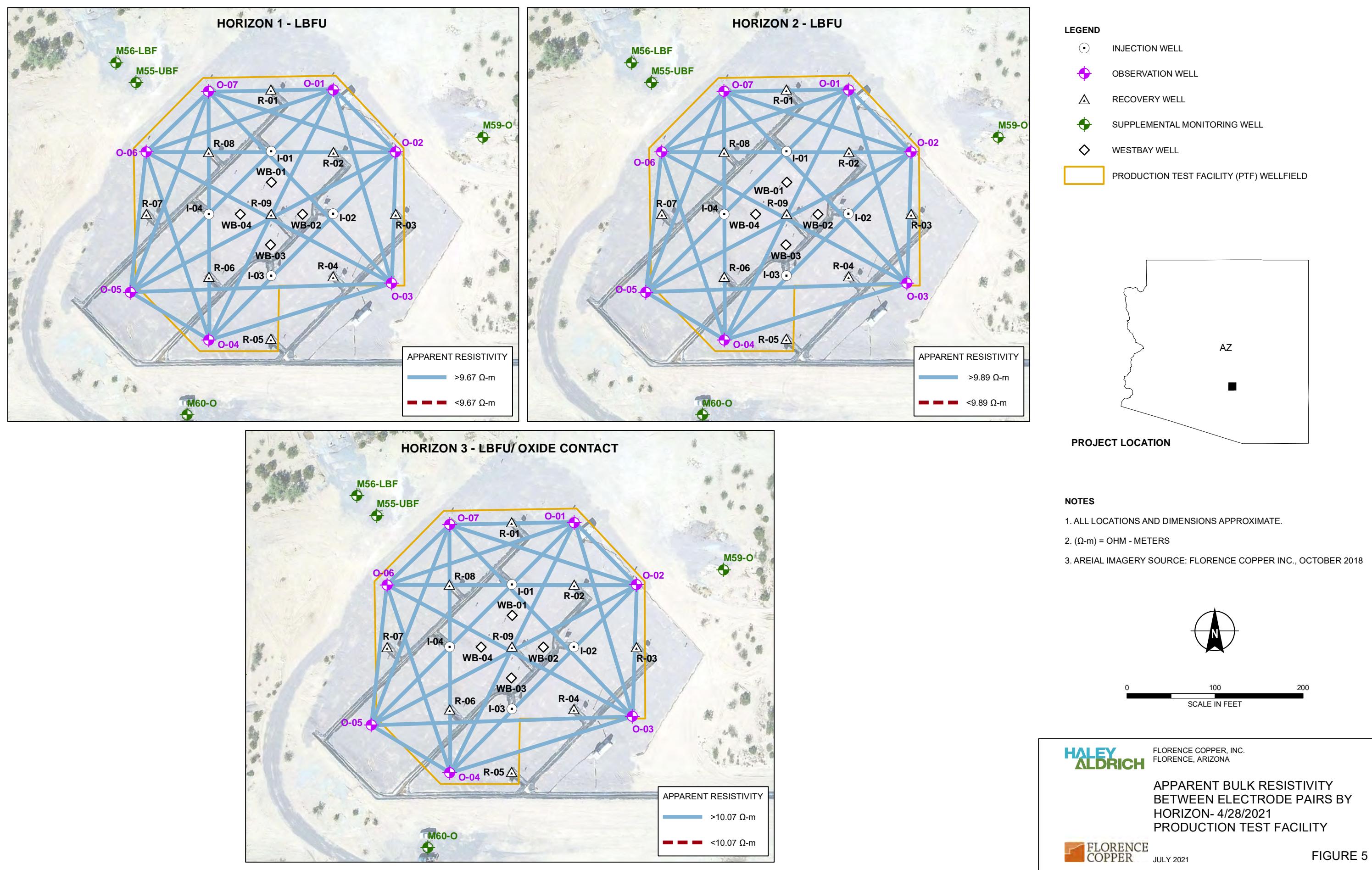
## **FIGURES**

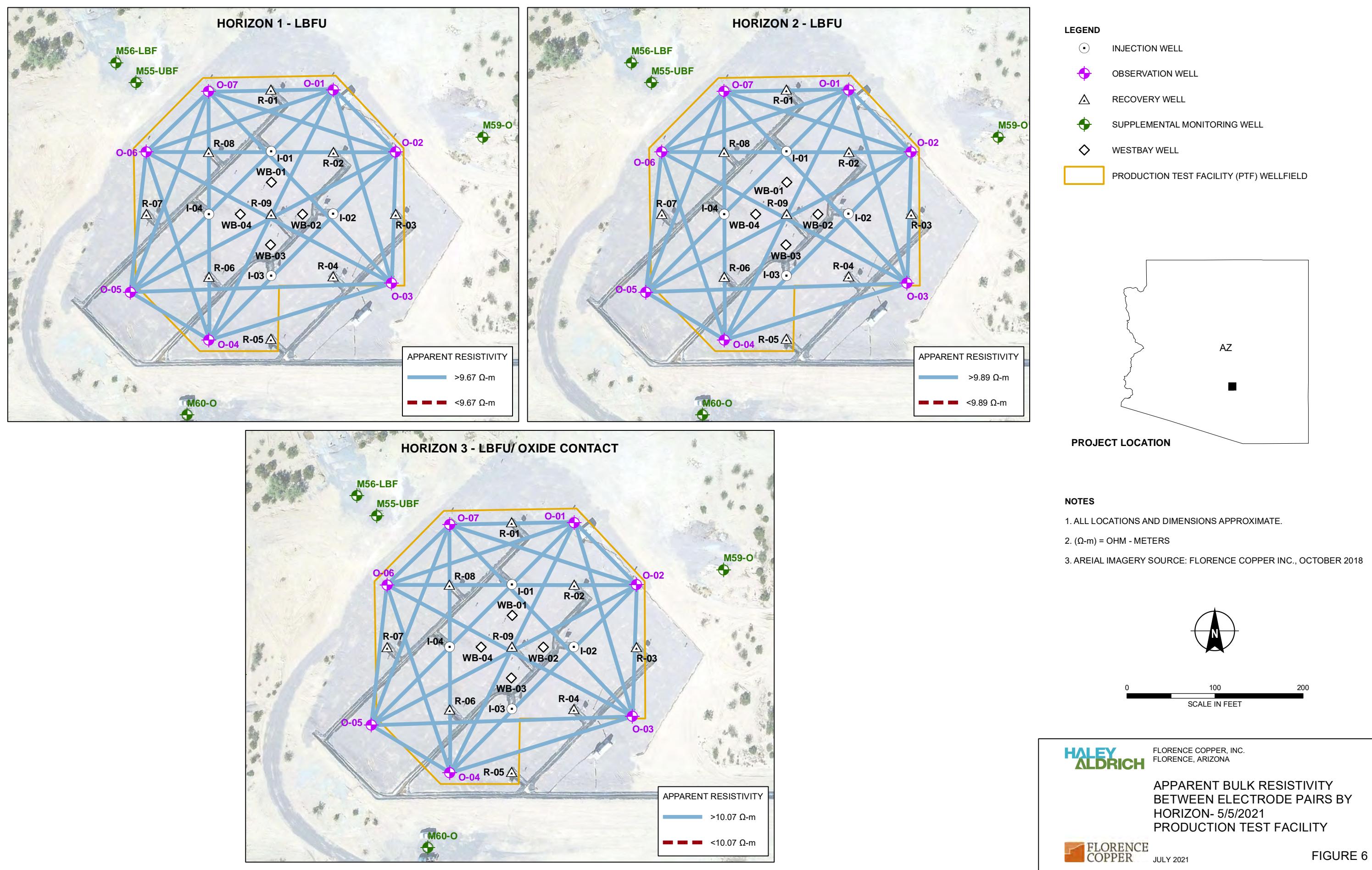


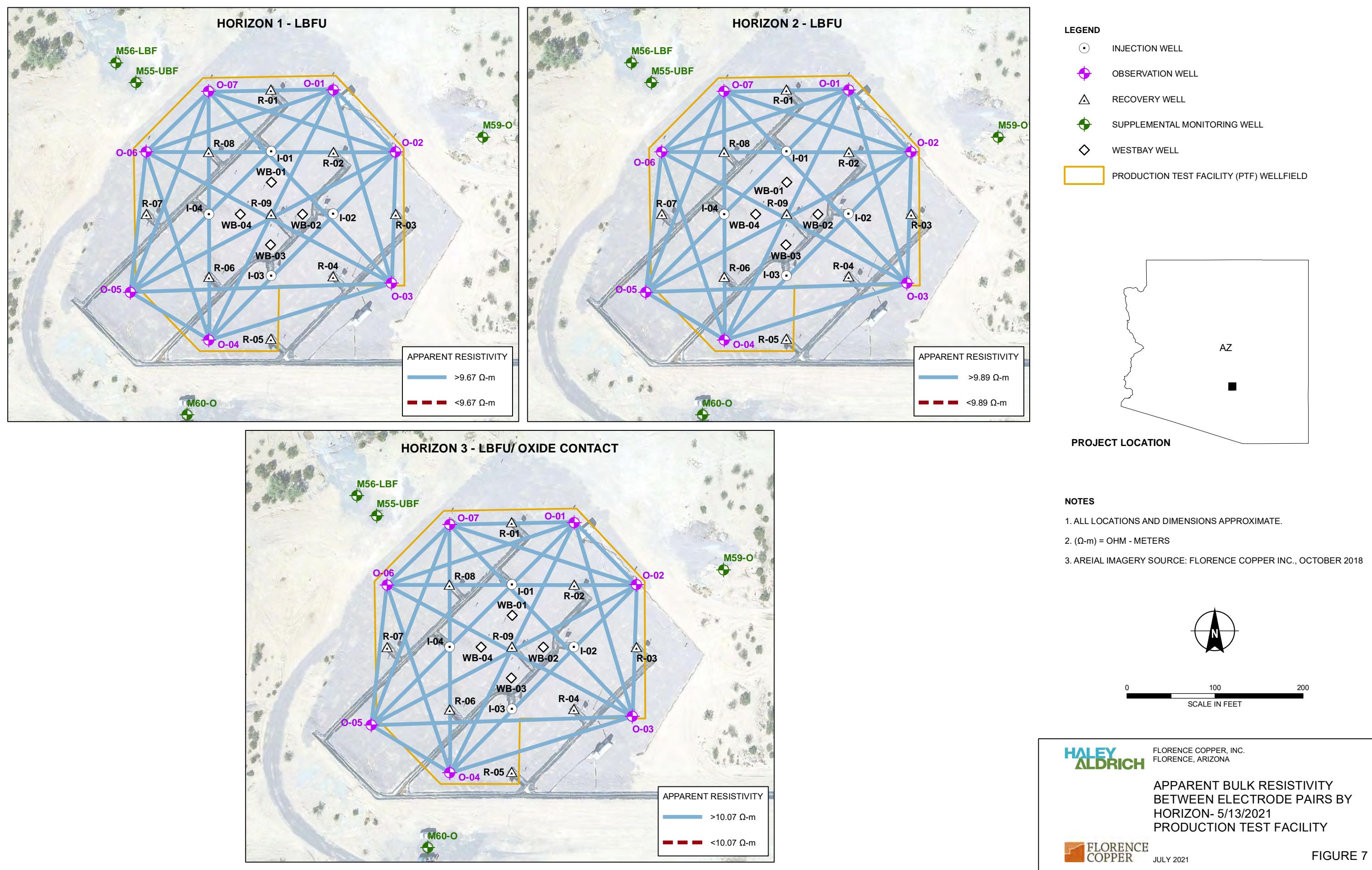


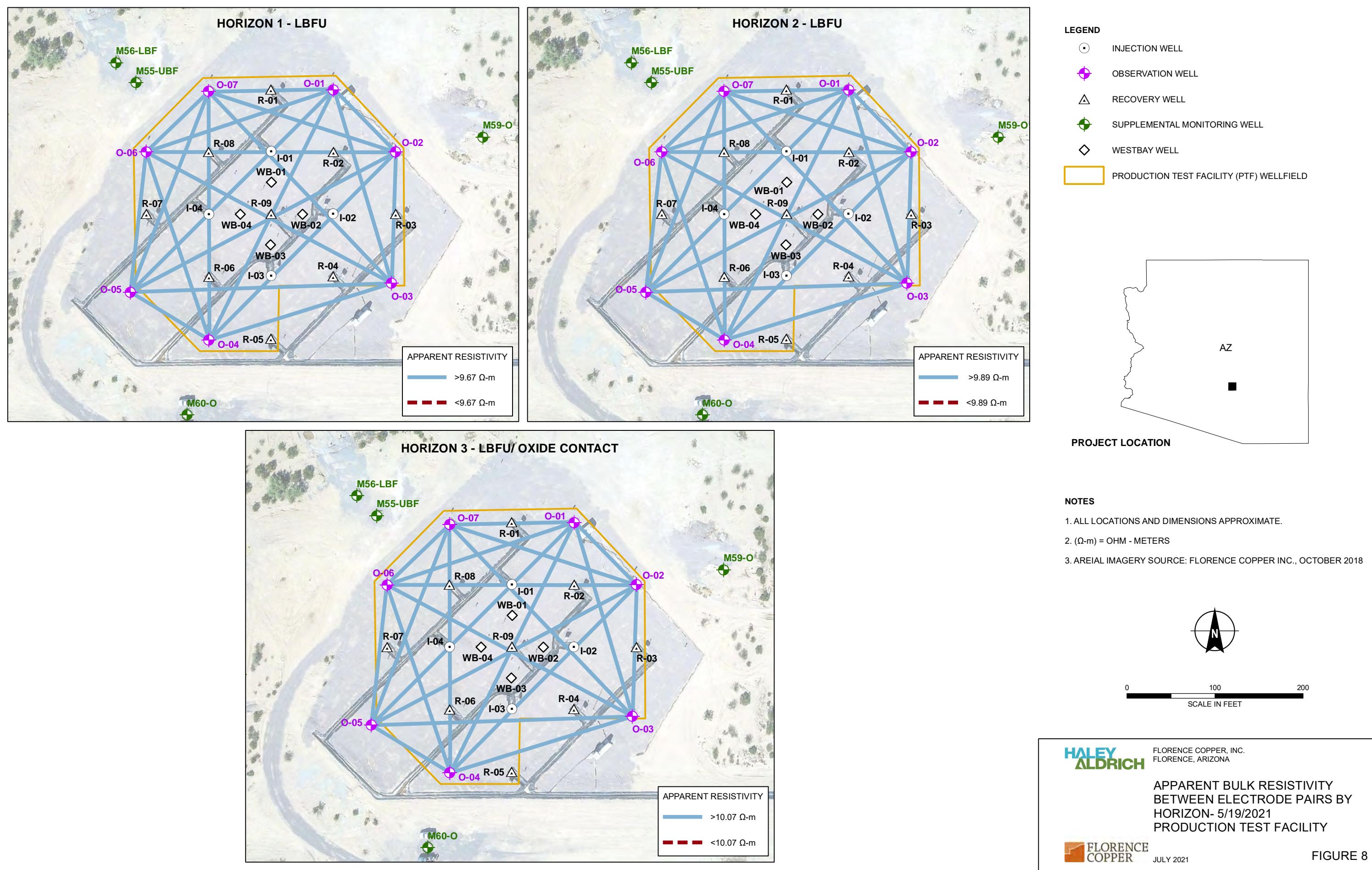


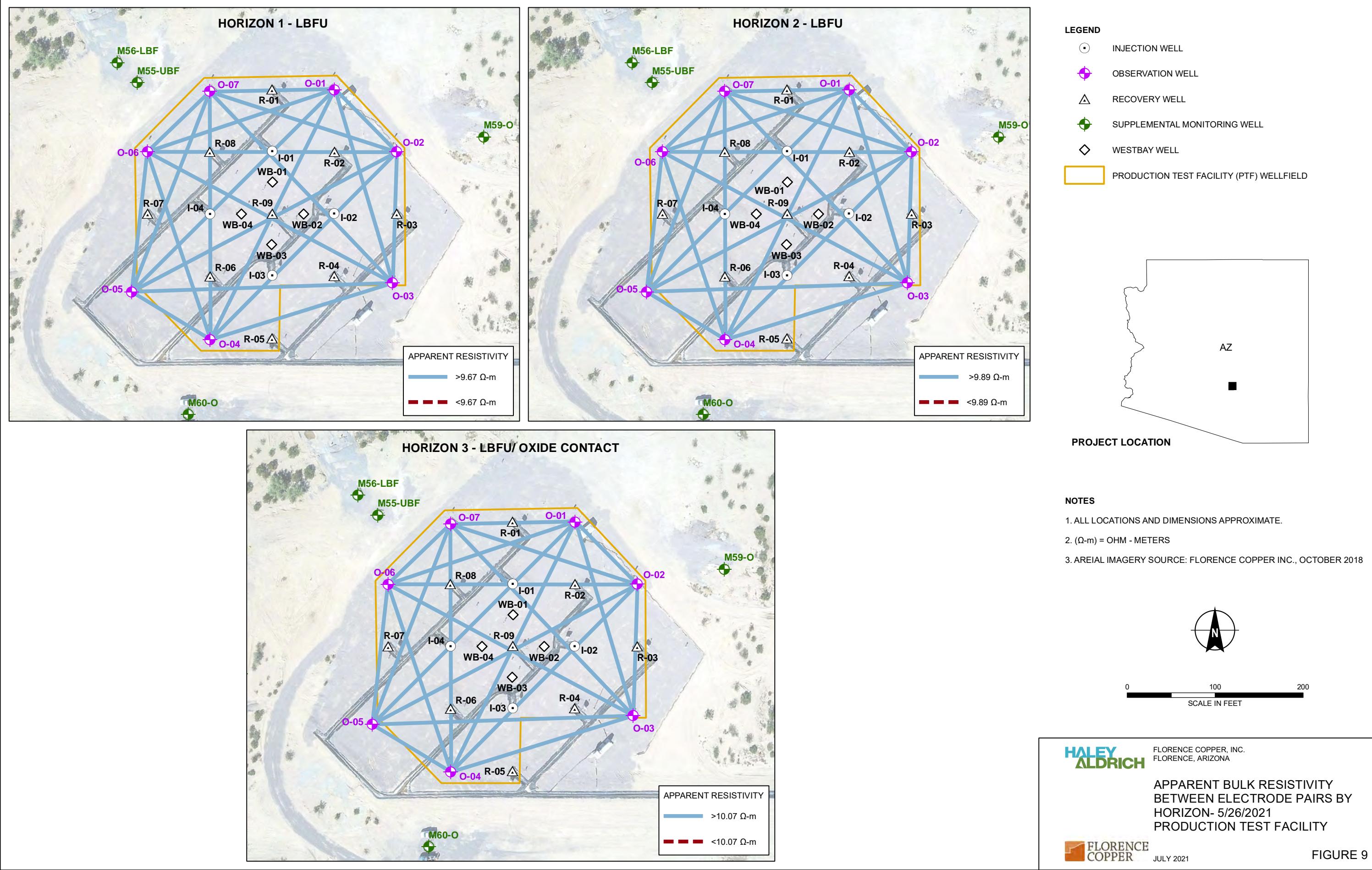


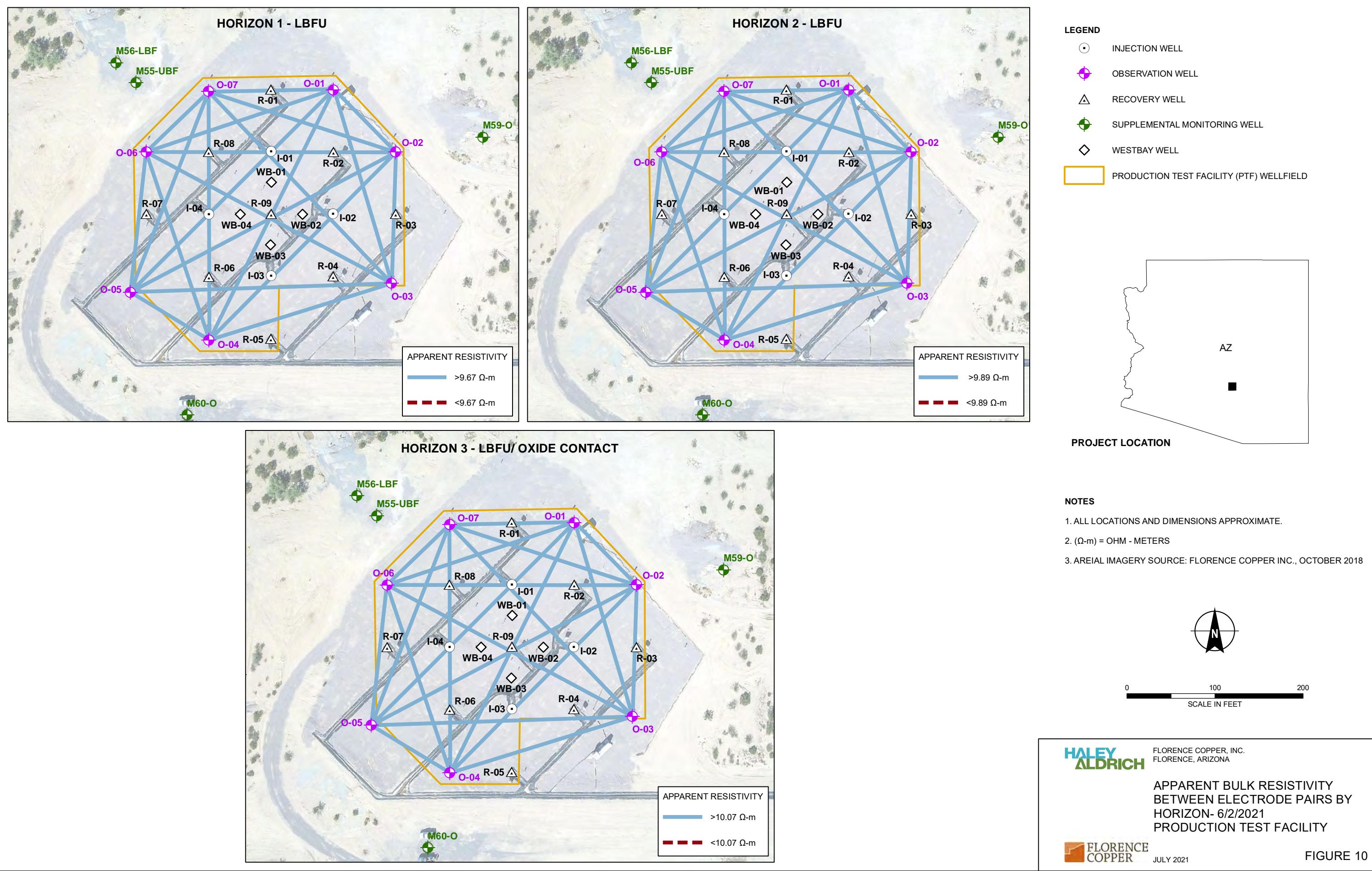


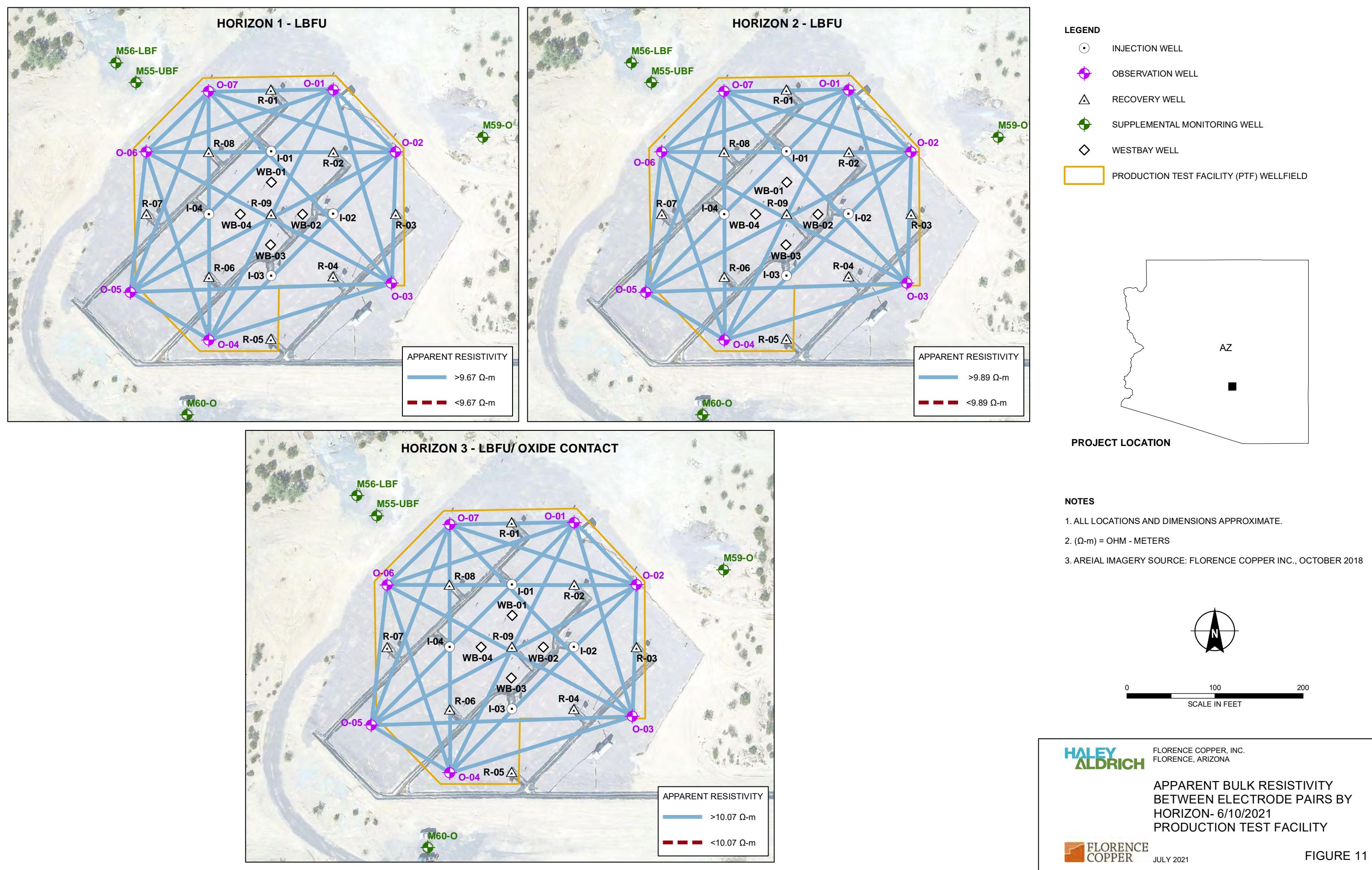


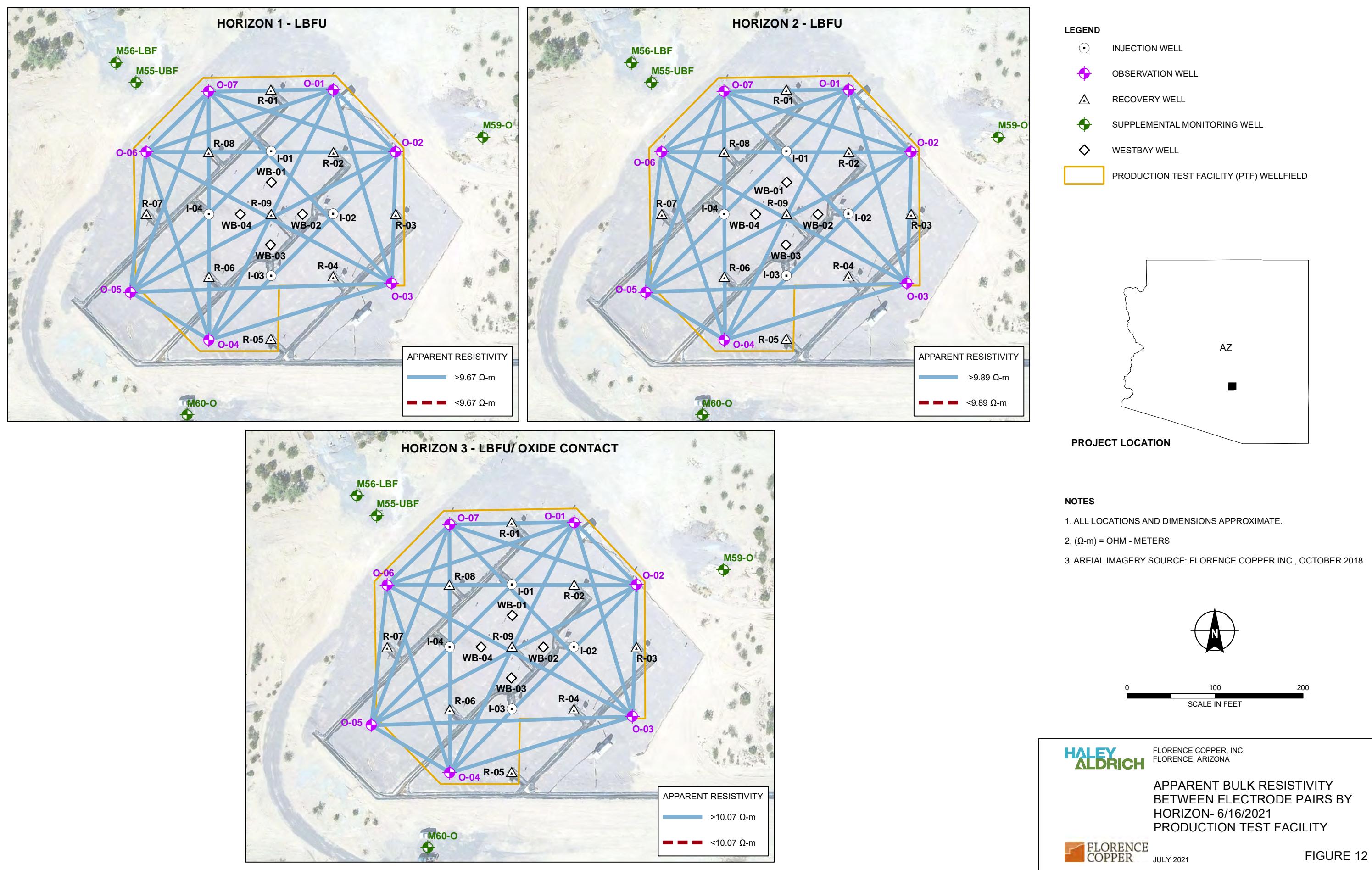


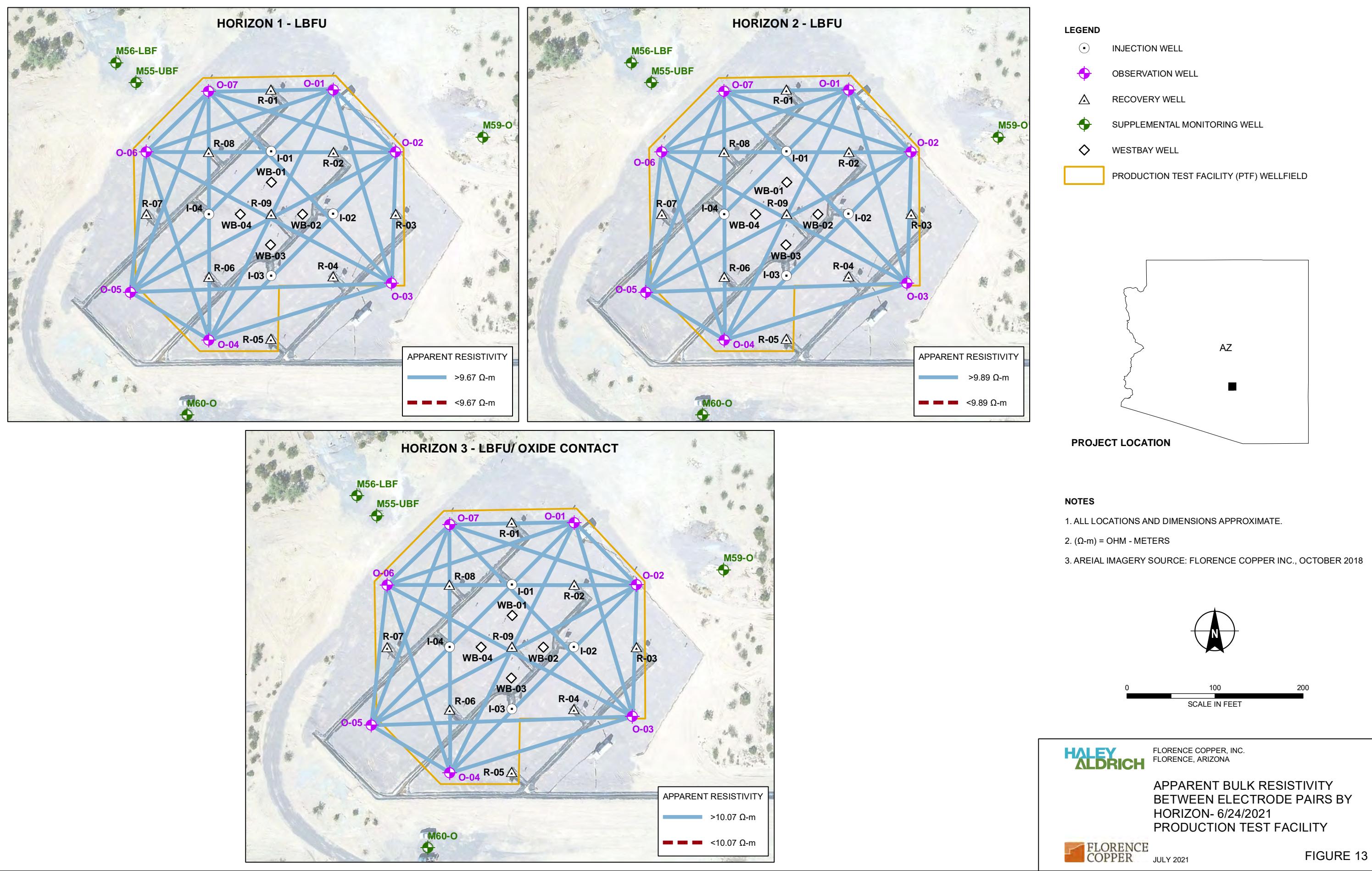










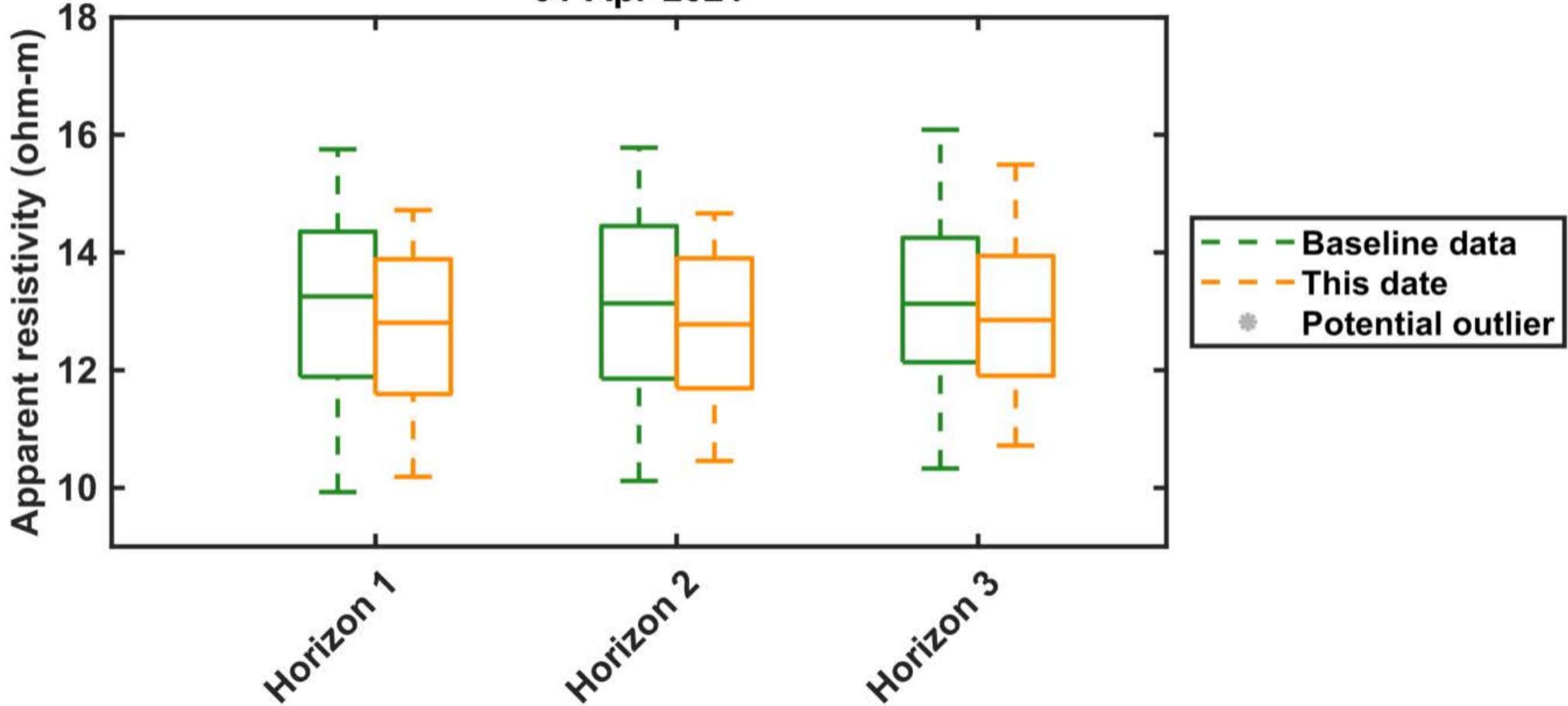


**ATTACHMENT A**

**Box Diagrams for Second Quarter Monitoring Data**

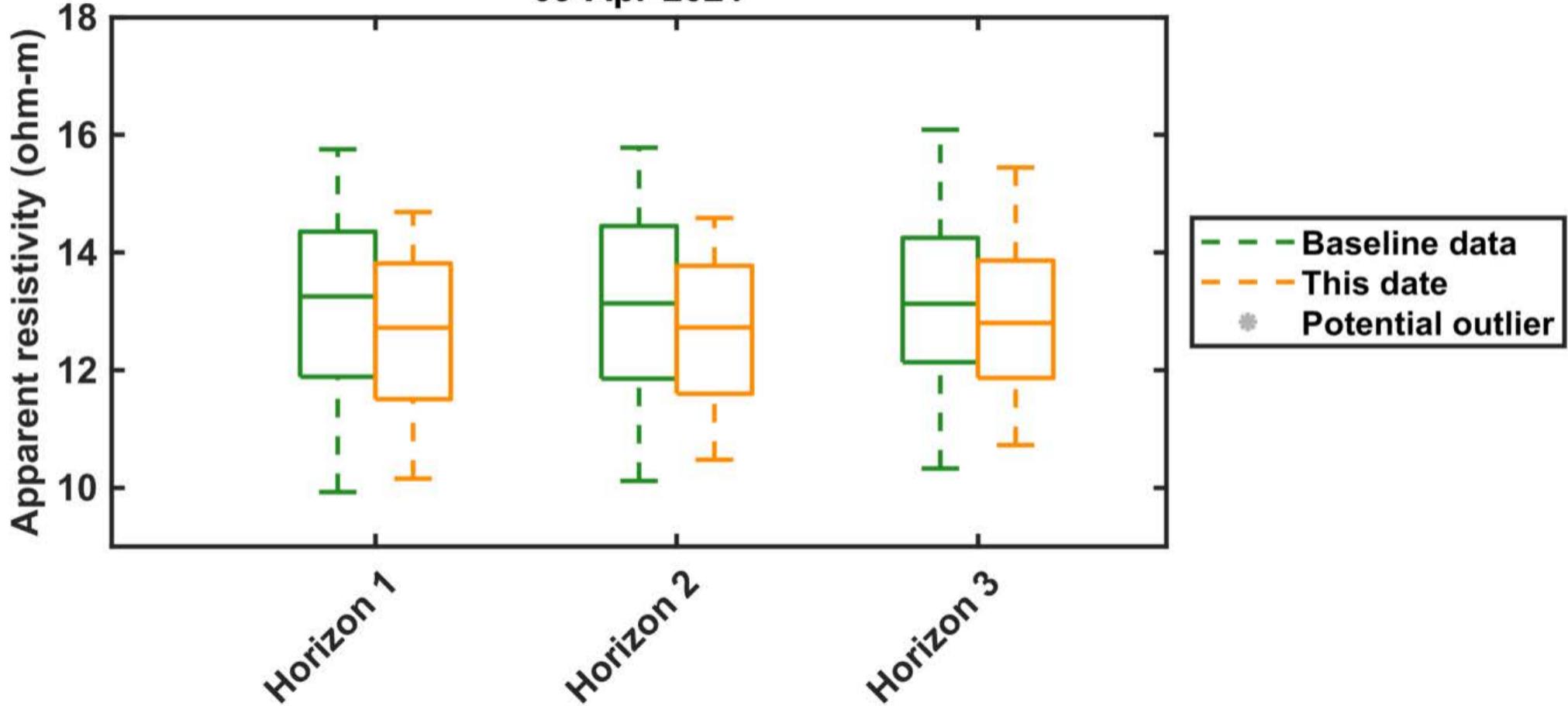
# Florence electrical conductivity monitoring

01-Apr-2021



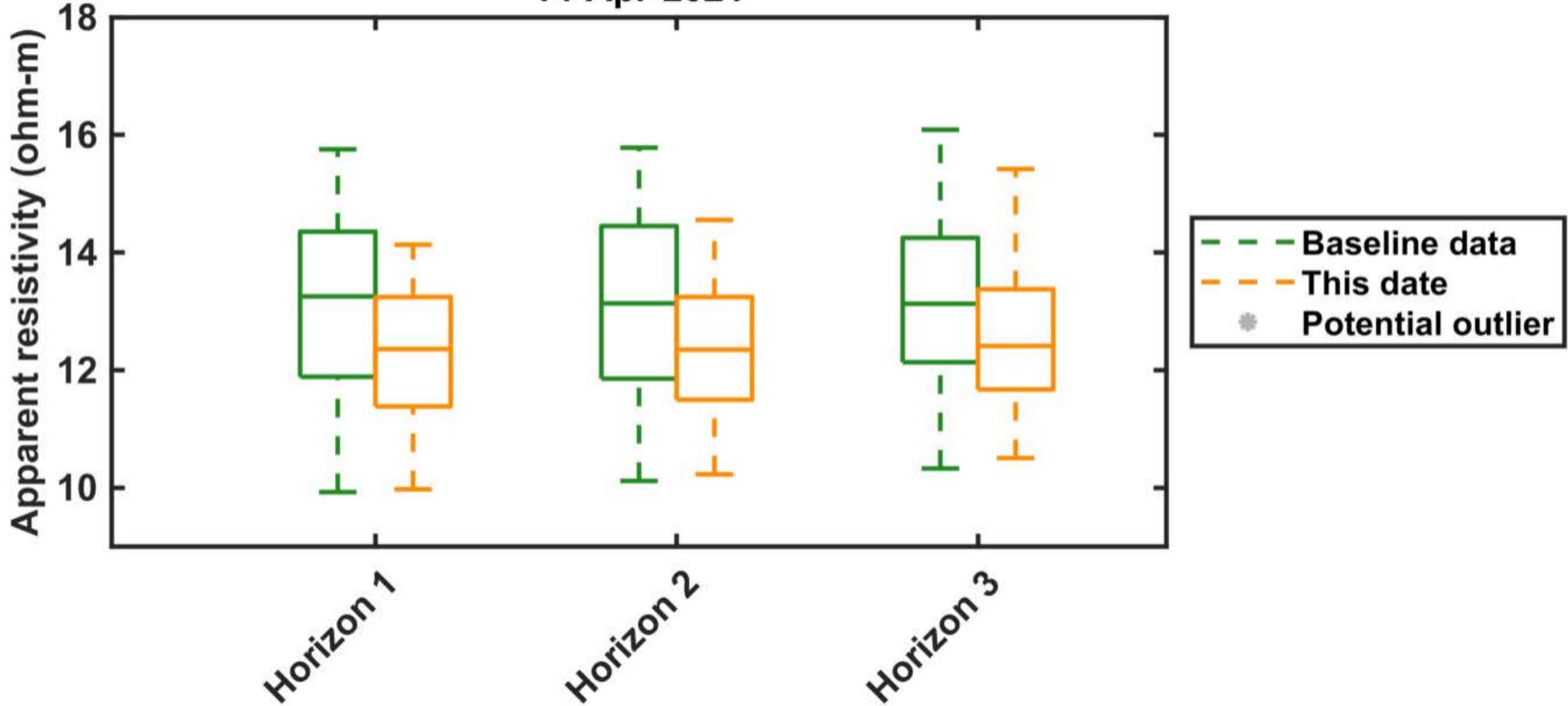
# Florence electrical conductivity monitoring

09-Apr-2021



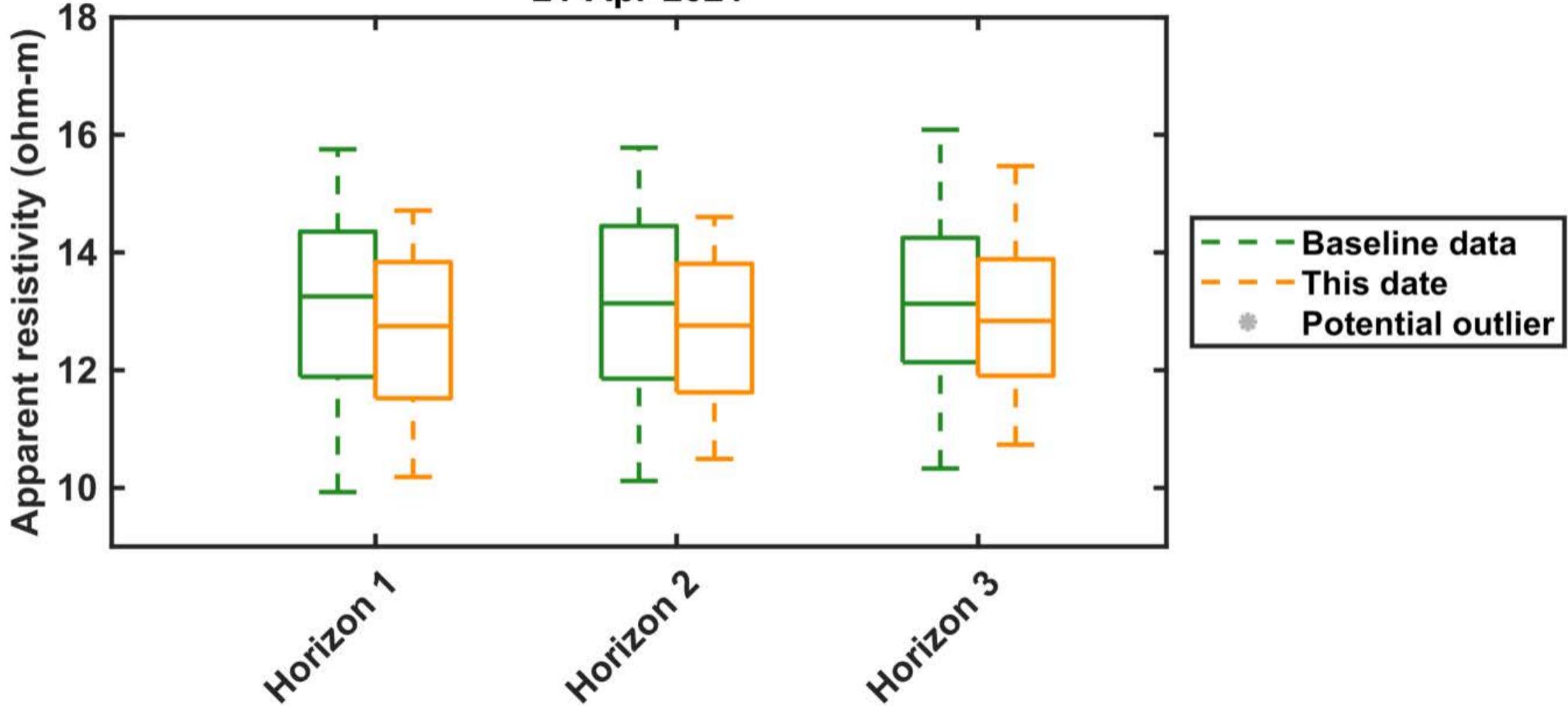
# Florence electrical conductivity monitoring

14-Apr-2021



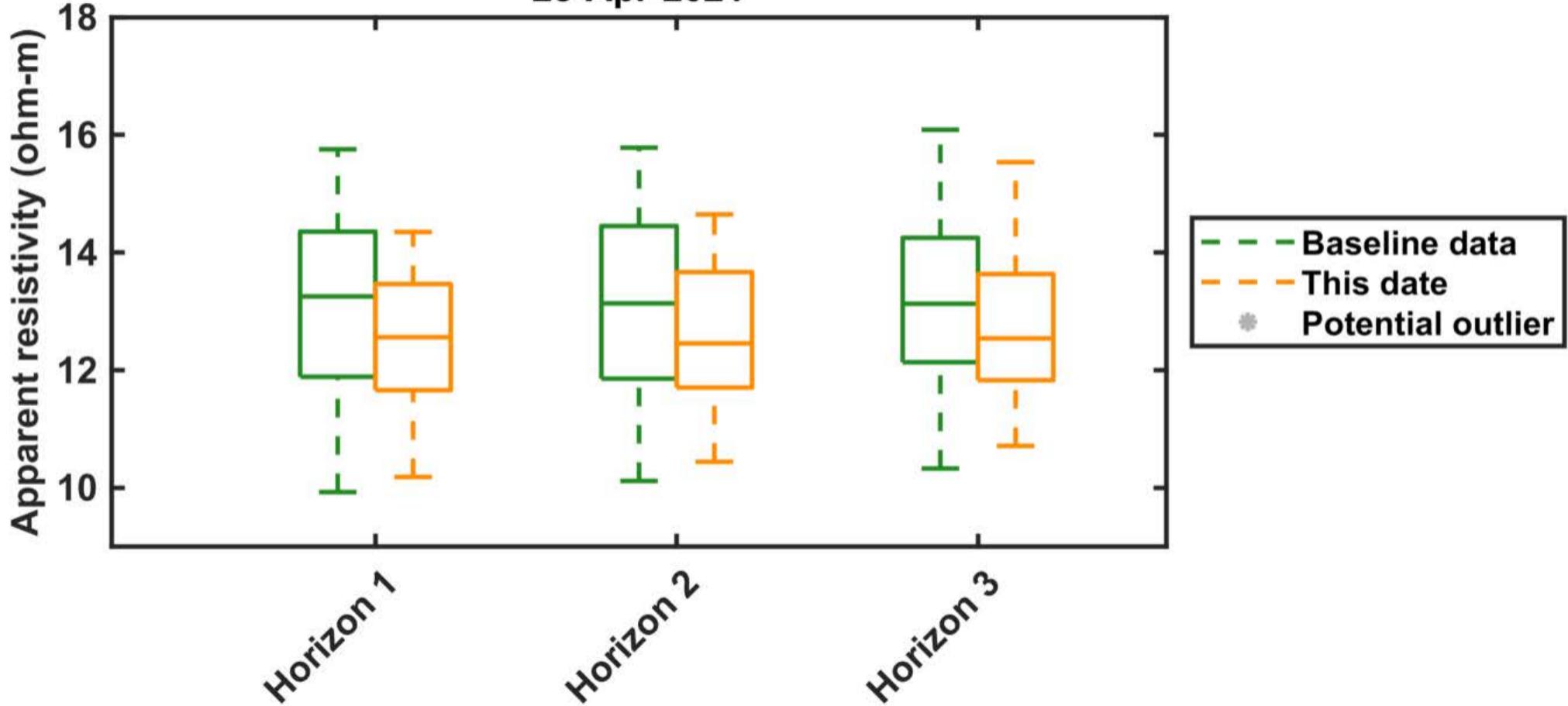
# Florence electrical conductivity monitoring

21-Apr-2021



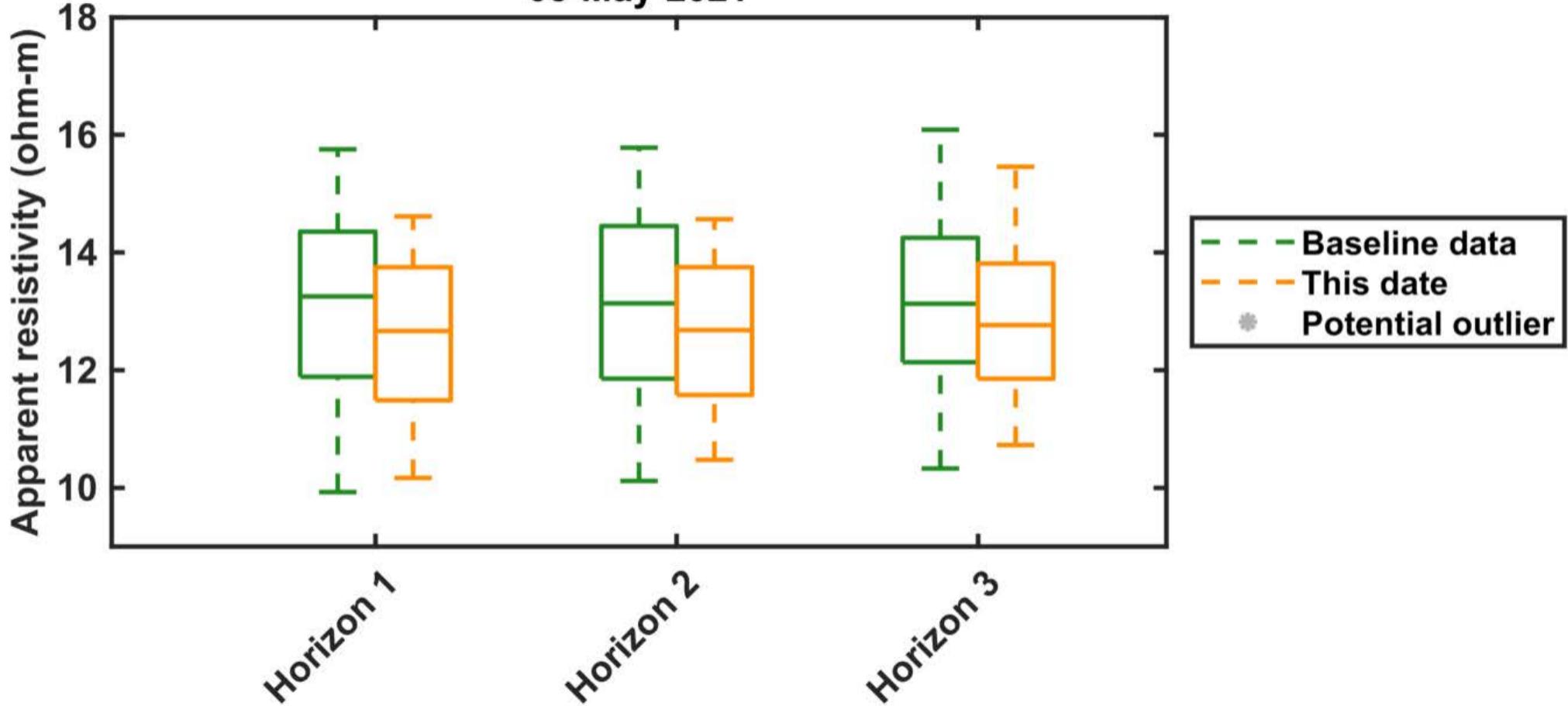
# Florence electrical conductivity monitoring

28-Apr-2021



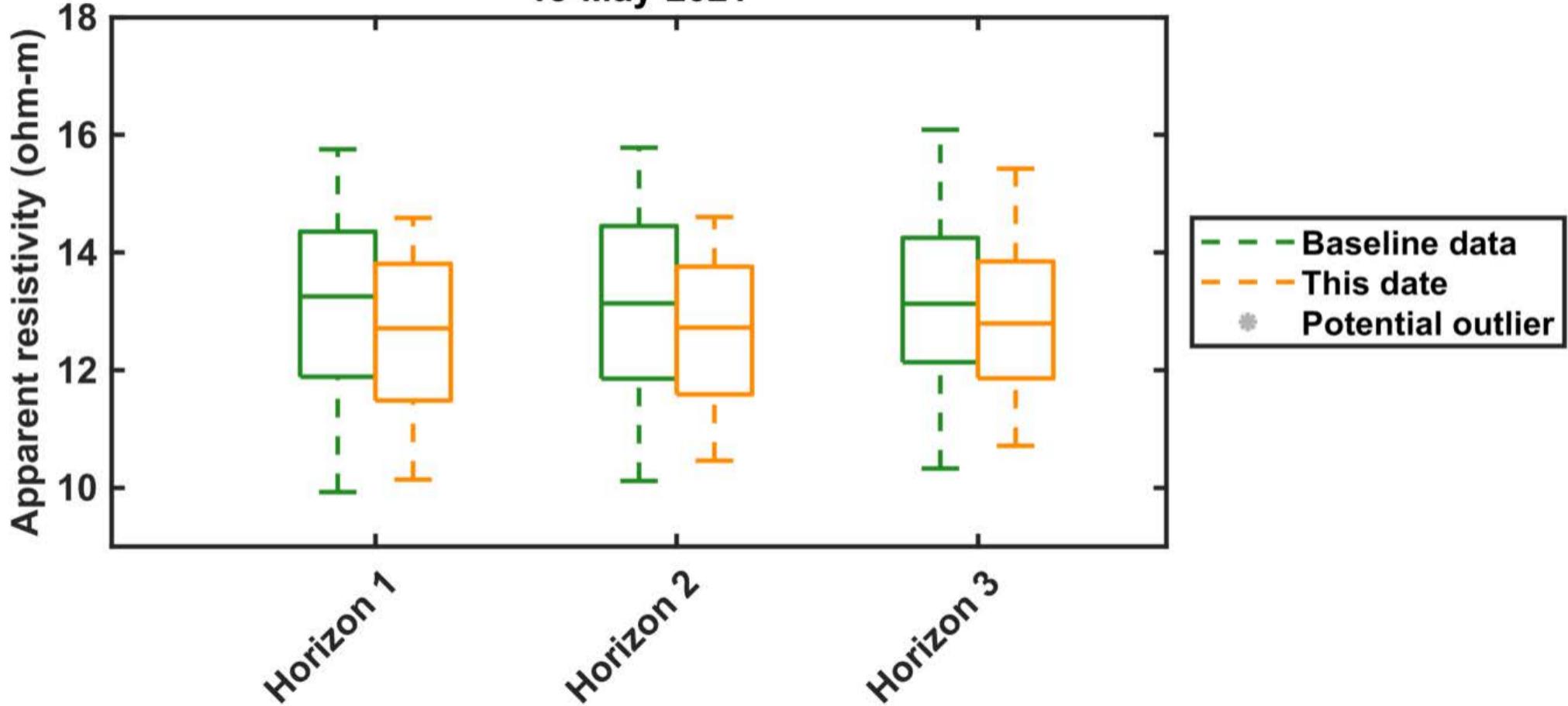
# Florence electrical conductivity monitoring

05-May-2021



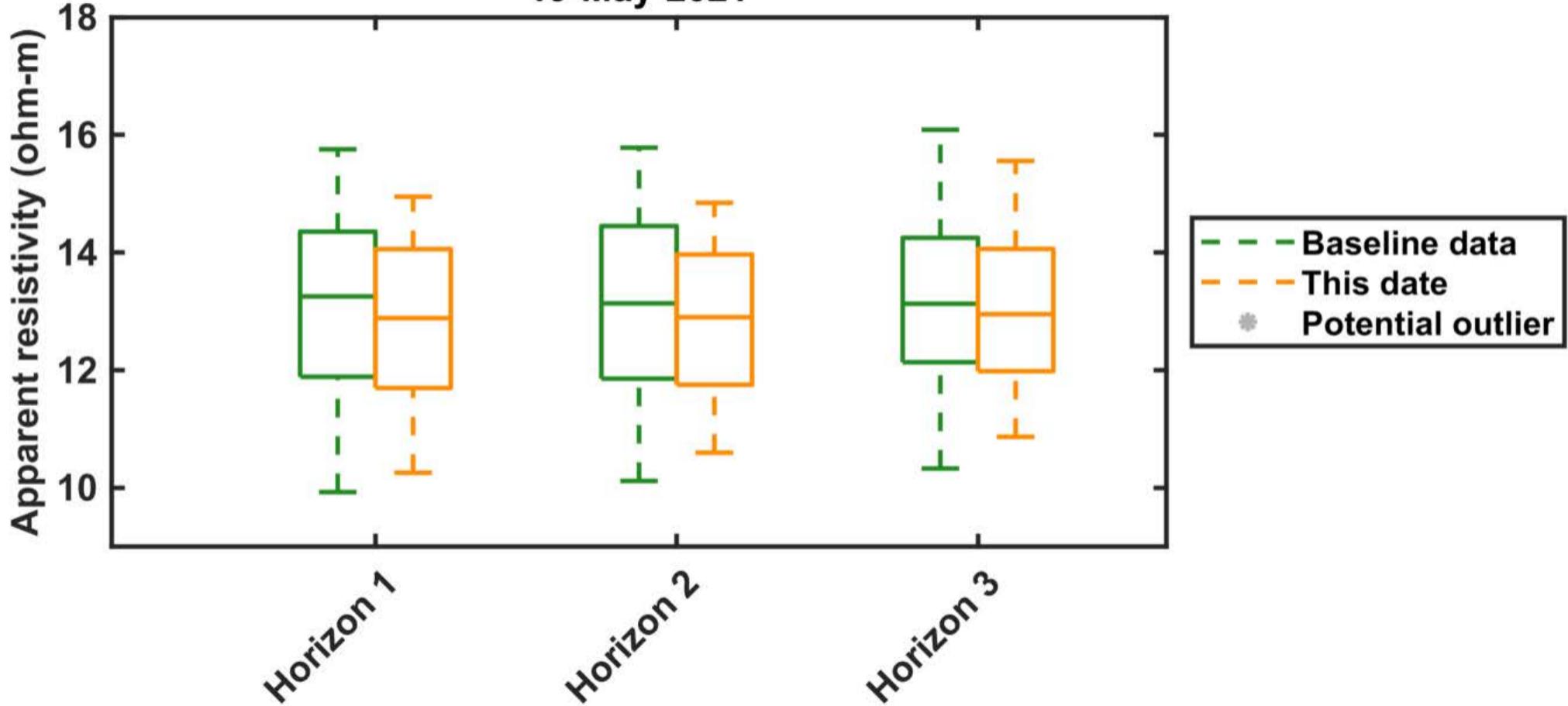
# Florence electrical conductivity monitoring

13-May-2021



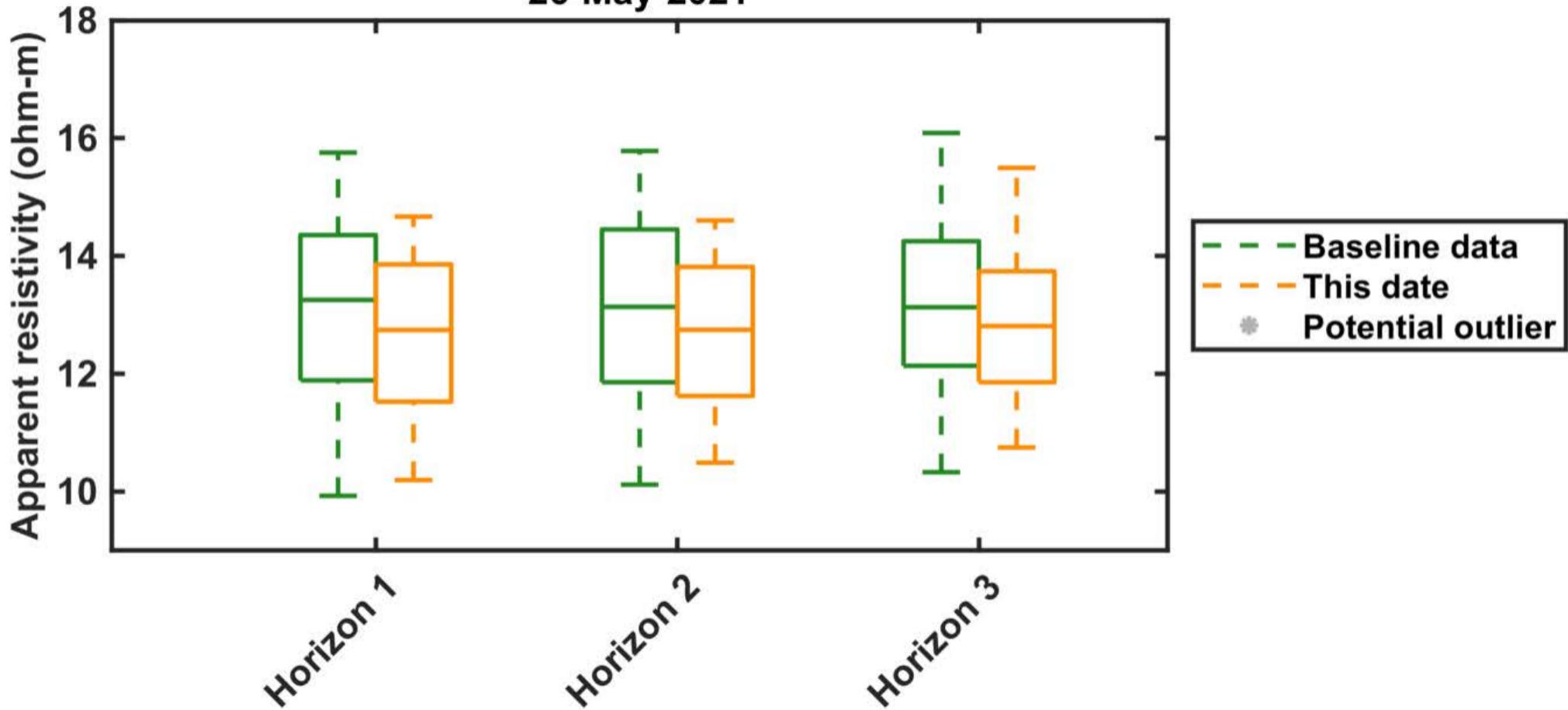
# Florence electrical conductivity monitoring

19-May-2021



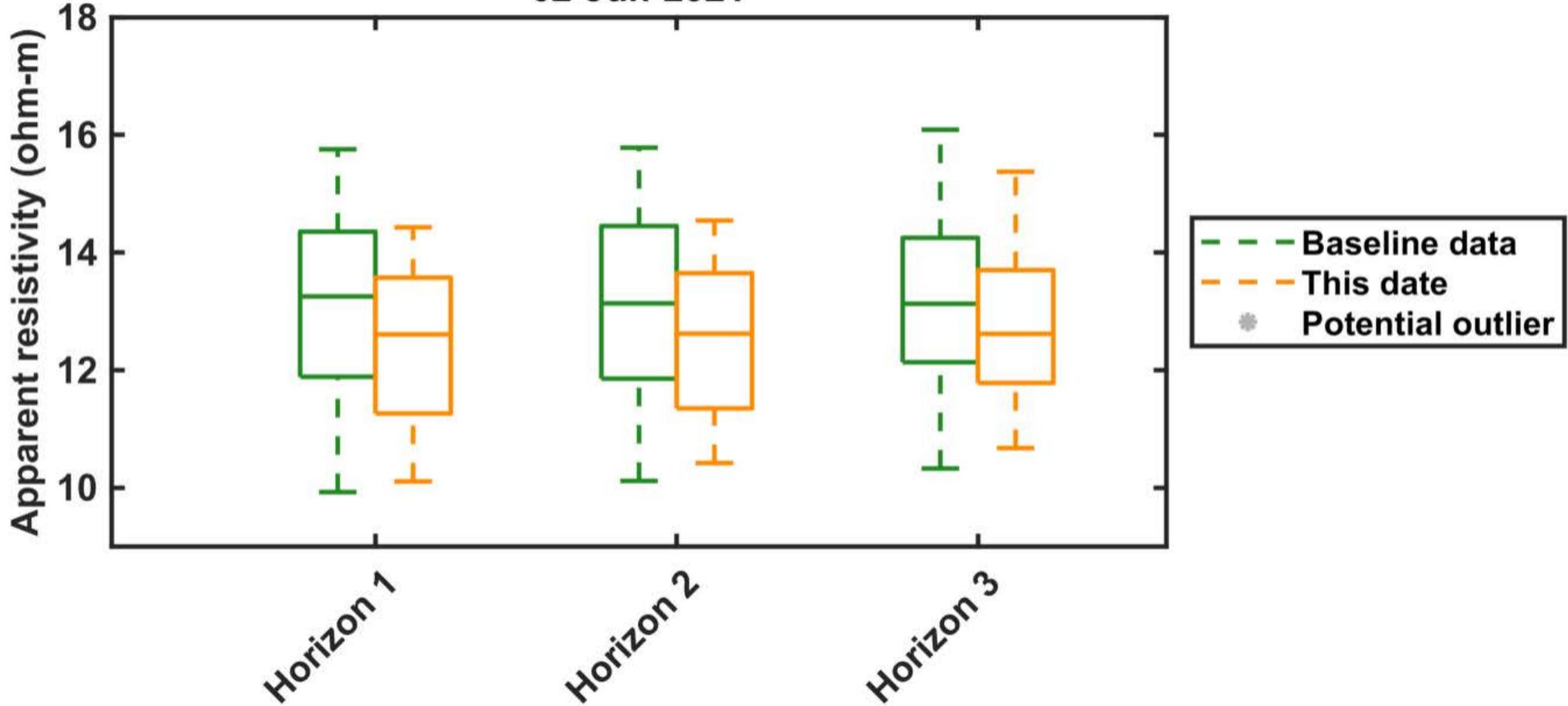
# Florence electrical conductivity monitoring

26-May-2021



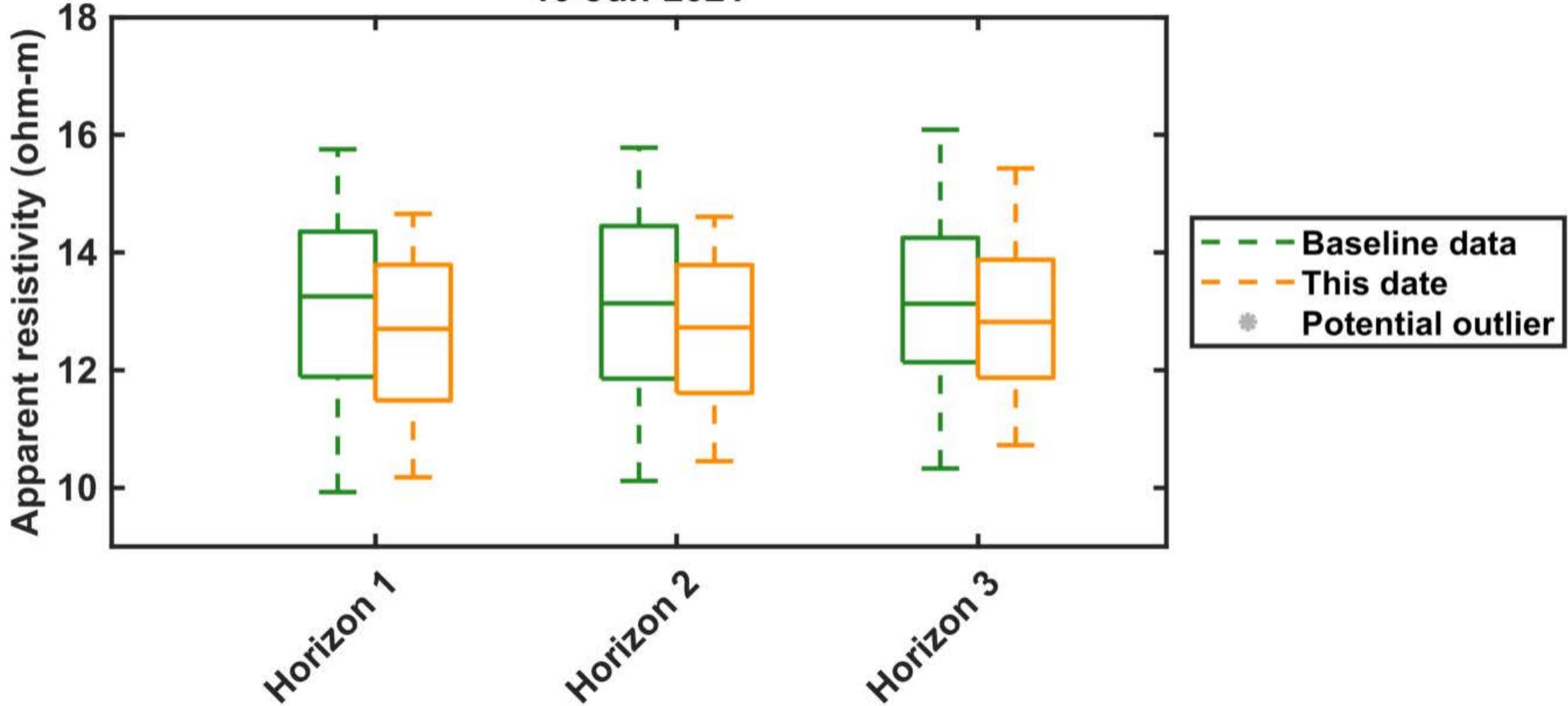
# Florence electrical conductivity monitoring

02-Jun-2021



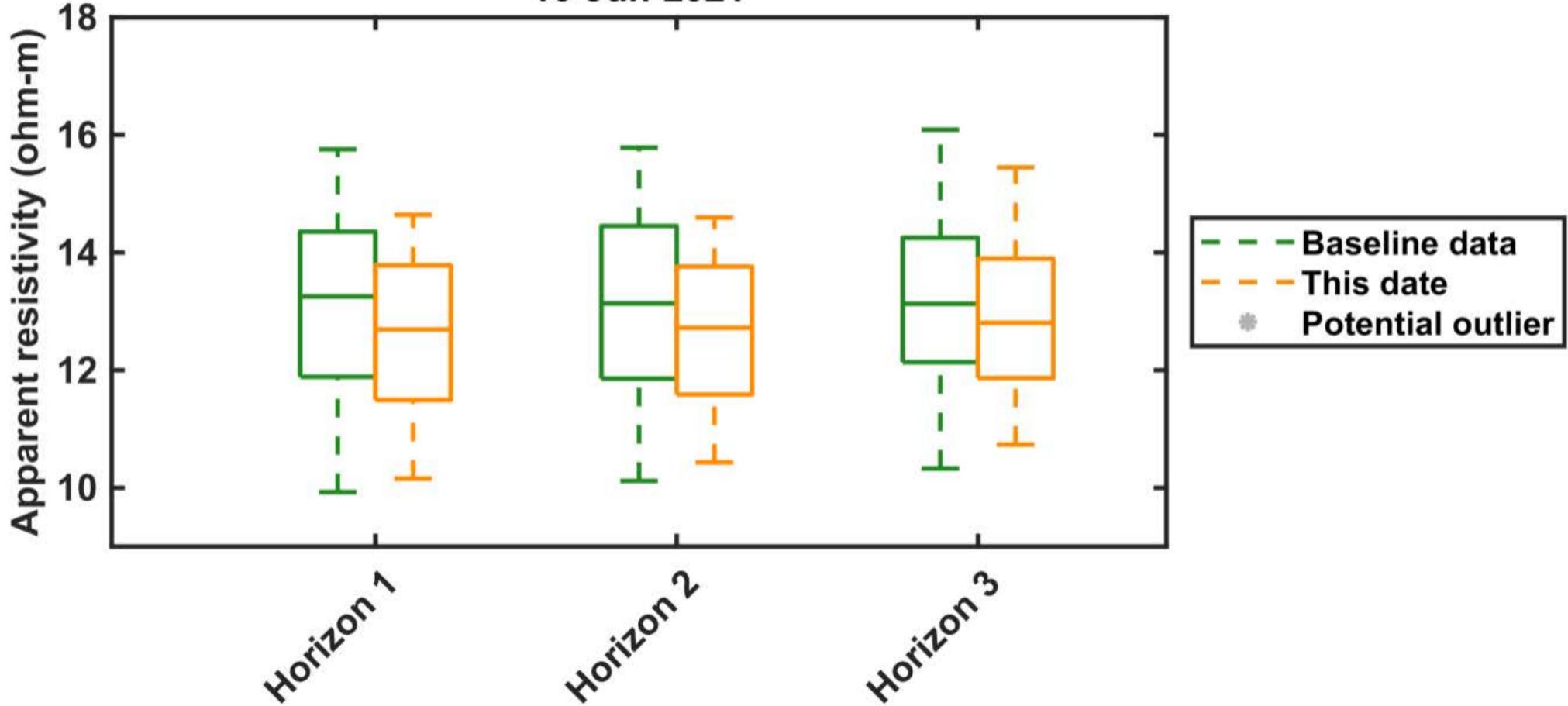
# Florence electrical conductivity monitoring

10-Jun-2021



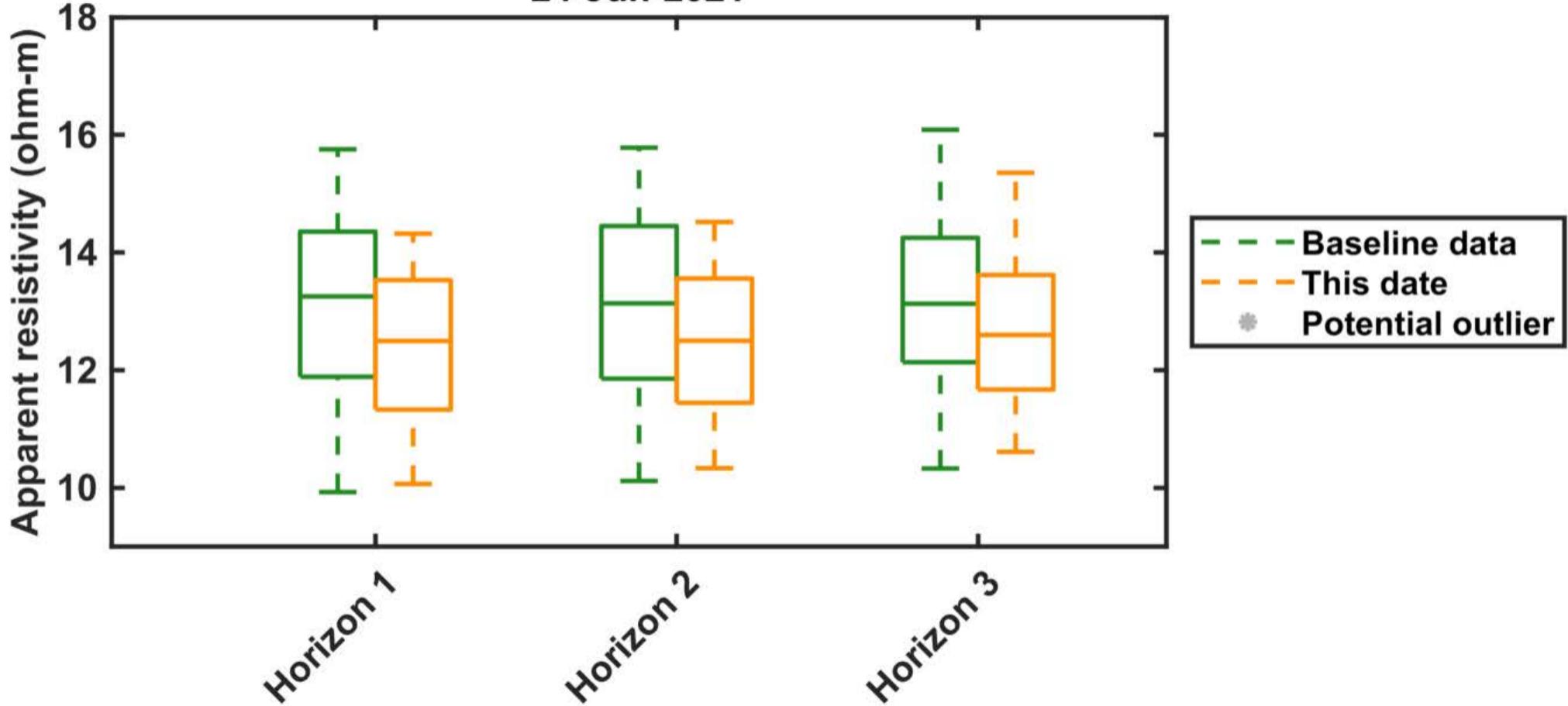
# Florence electrical conductivity monitoring

16-Jun-2021



# Florence electrical conductivity monitoring

24-Jun-2021

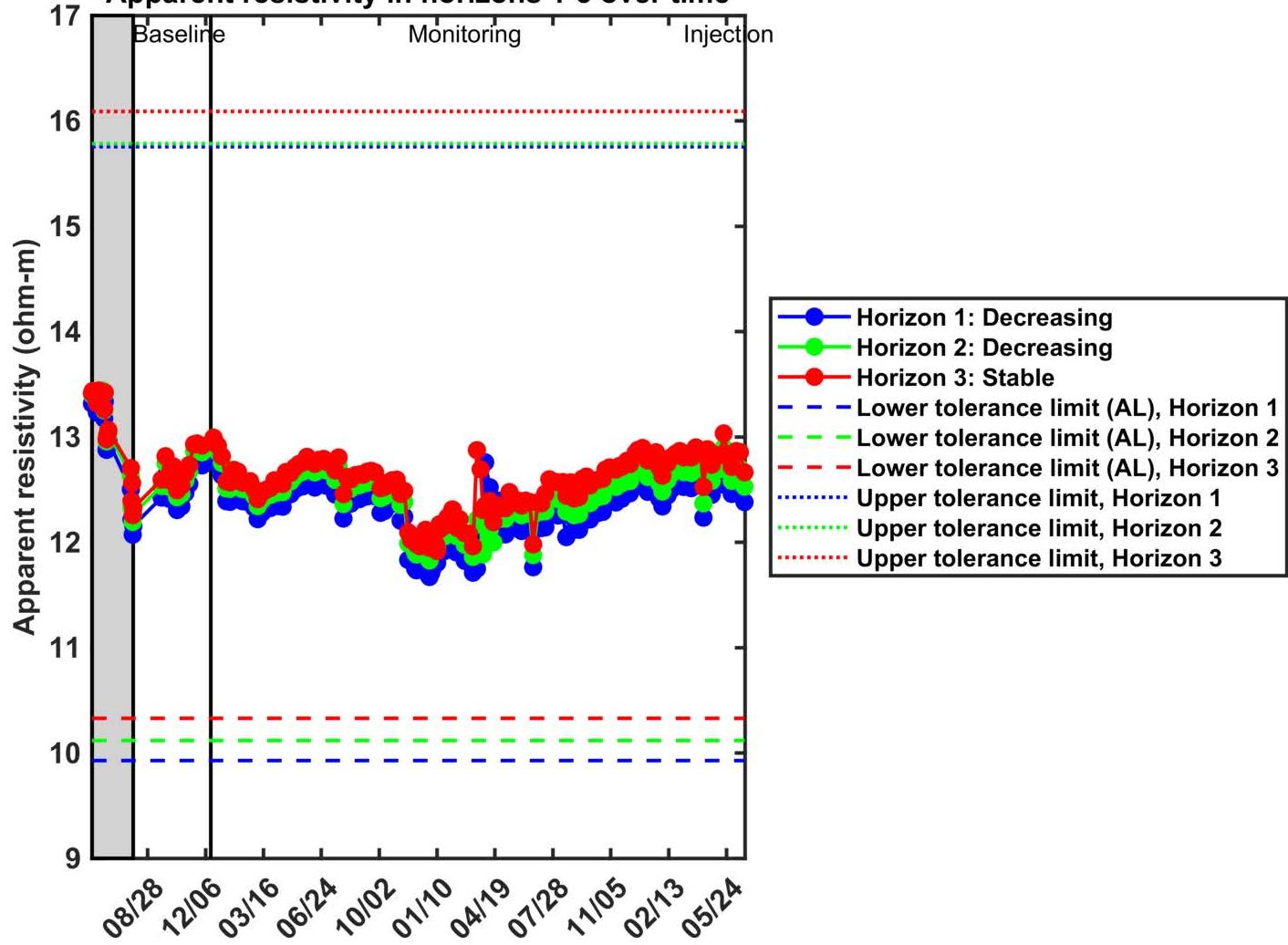


**ATTACHMENT B**

**Summary Plot of Bulk Electrical Conductivity**

# Florence ambient electrical conductivity monitoring

## Apparent resistivity in horizons 1-3 over time



## **ATTACHMENT 6**

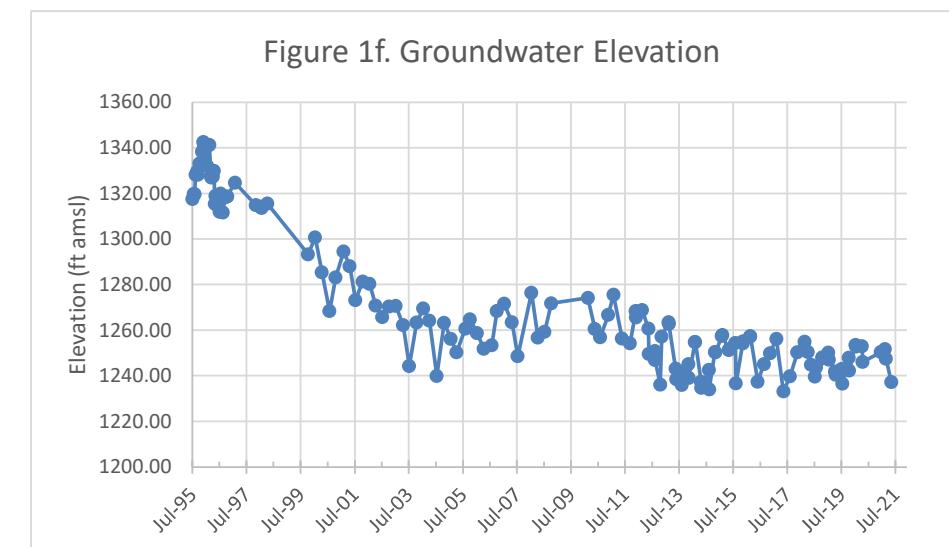
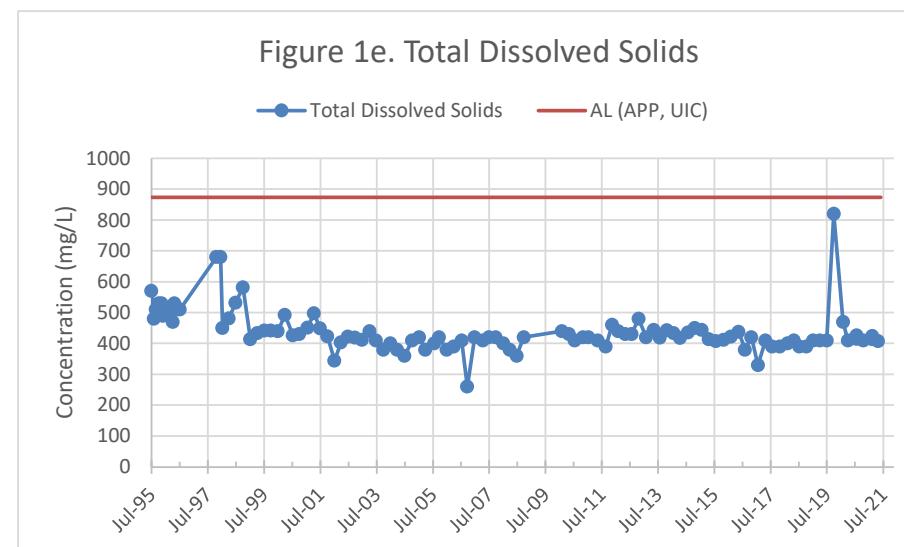
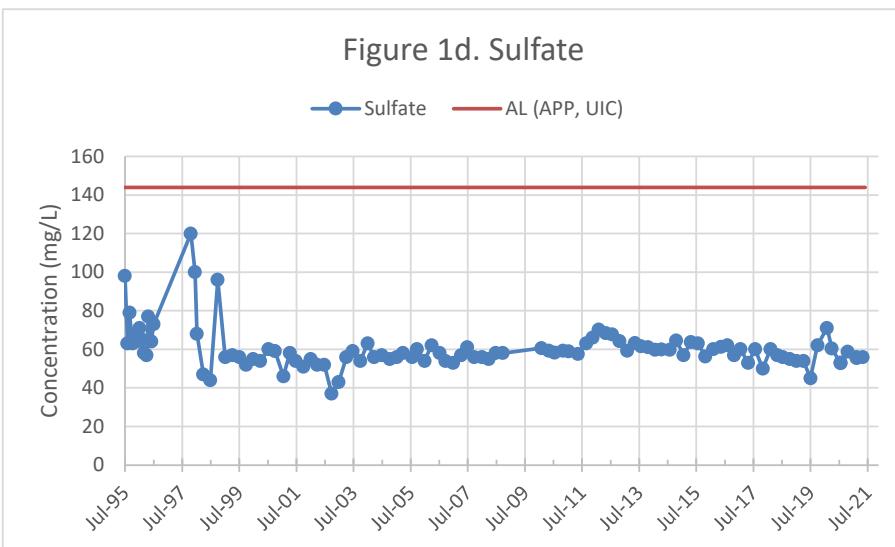
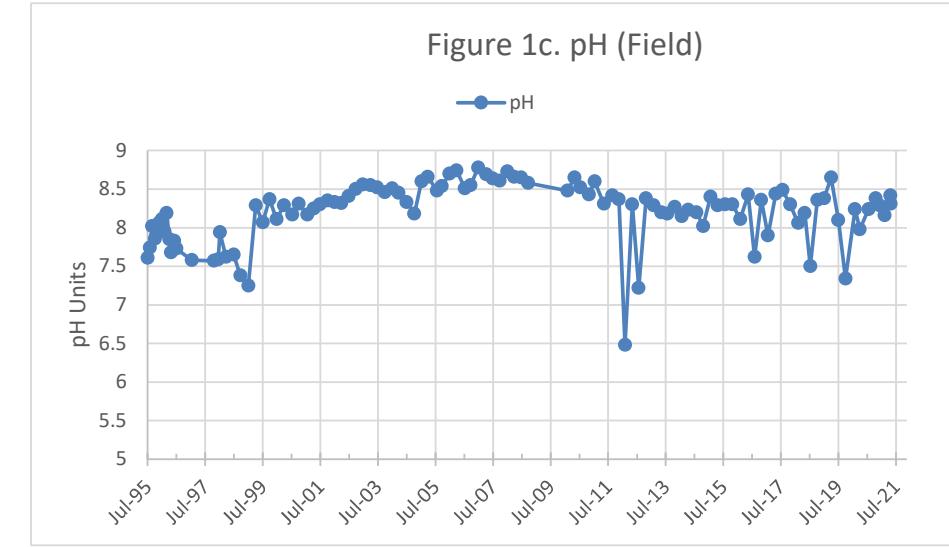
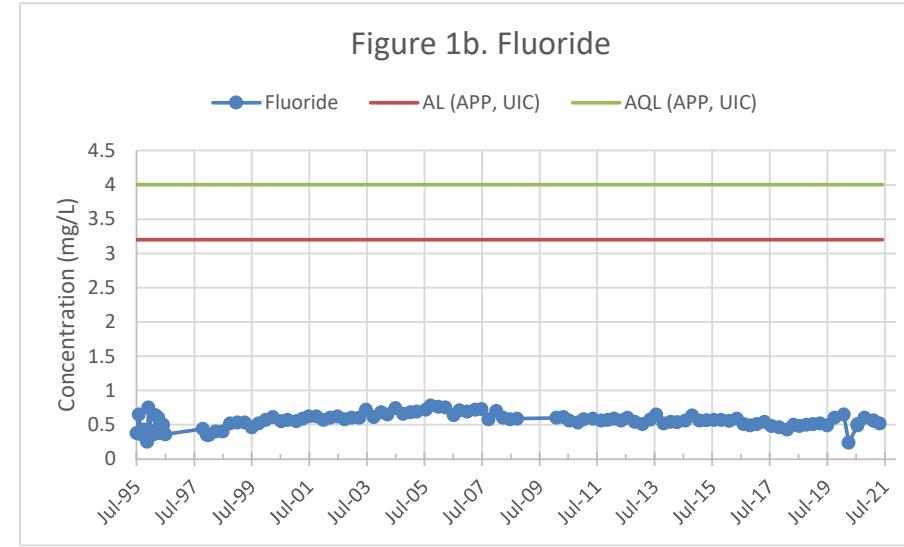
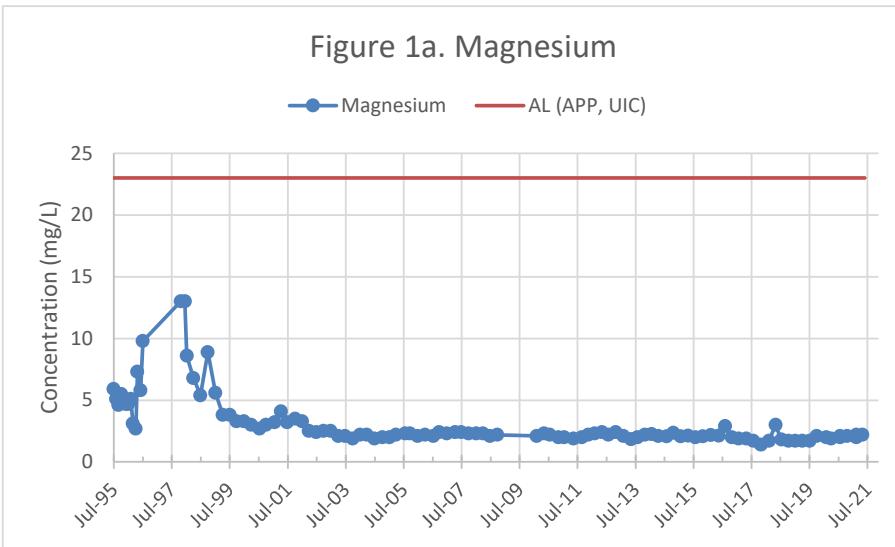
### **Table and Graphs of Monitor Well Water Levels and Analytical Results**

- 6A. Quarterly Concentration Graphs**
- 6B. Well Details and Water Level Elevations**
- 6C. Groundwater Monitoring Summary**

**ATTACHMENT 6A**

**Quarterly Concentration Graphs**

## M14-GL QUARTERLY CONCENTRATION GRAPHS



**Notes:**

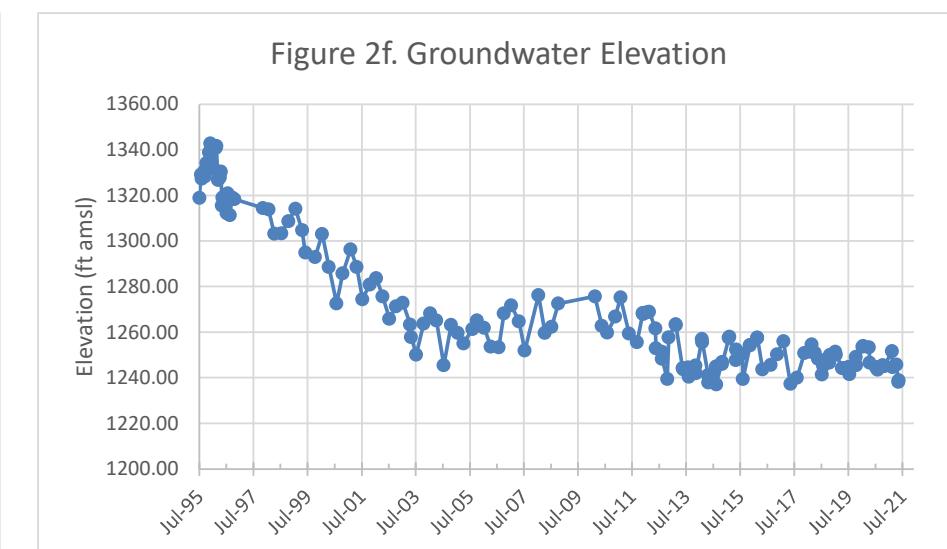
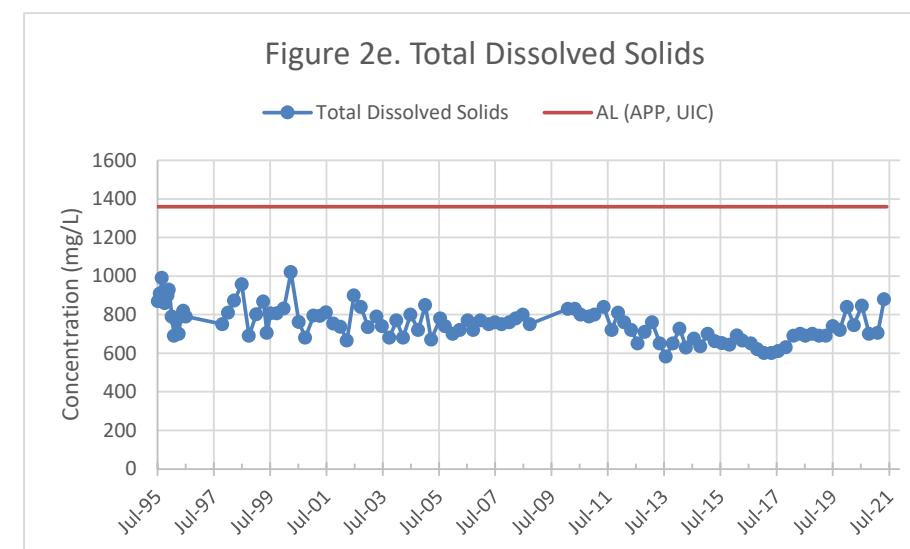
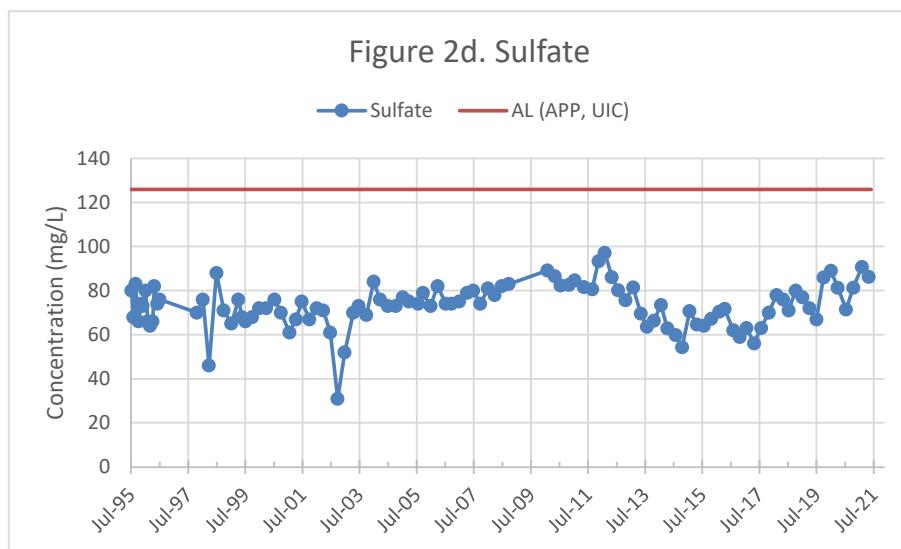
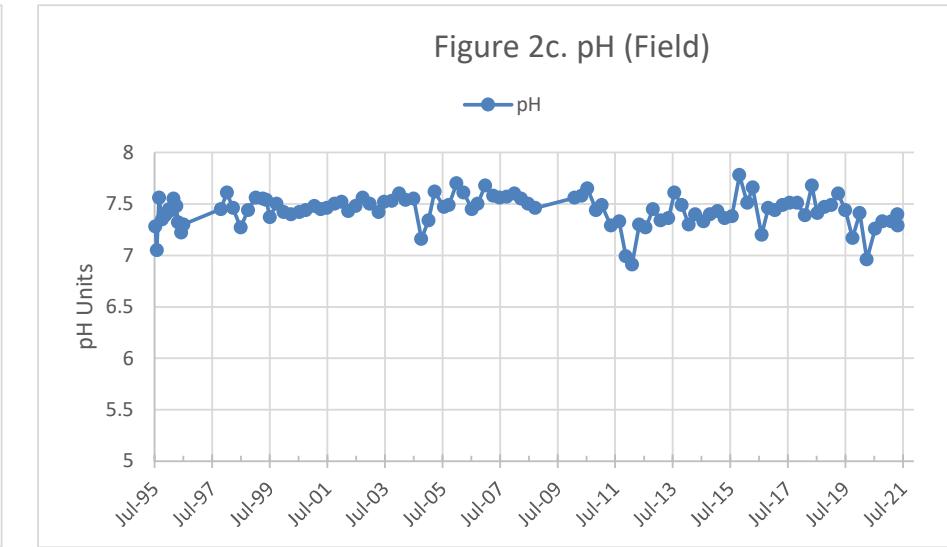
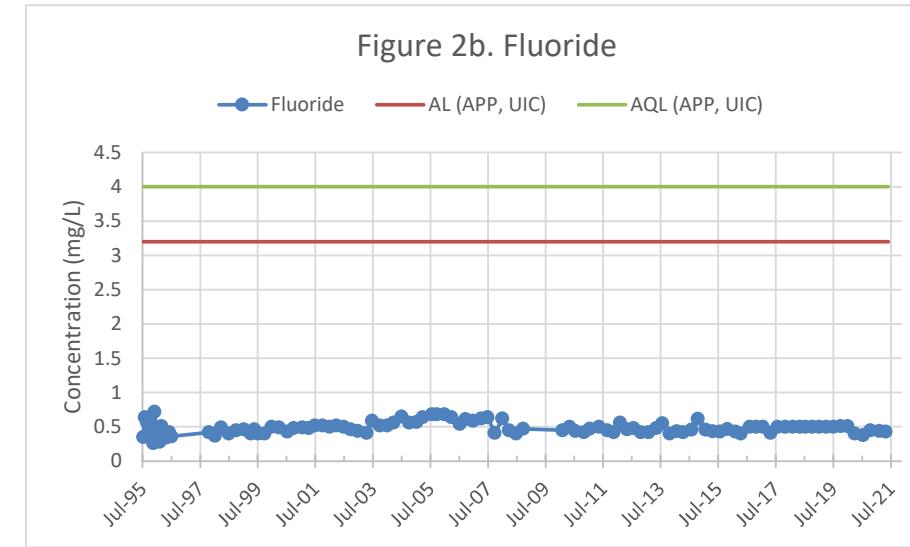
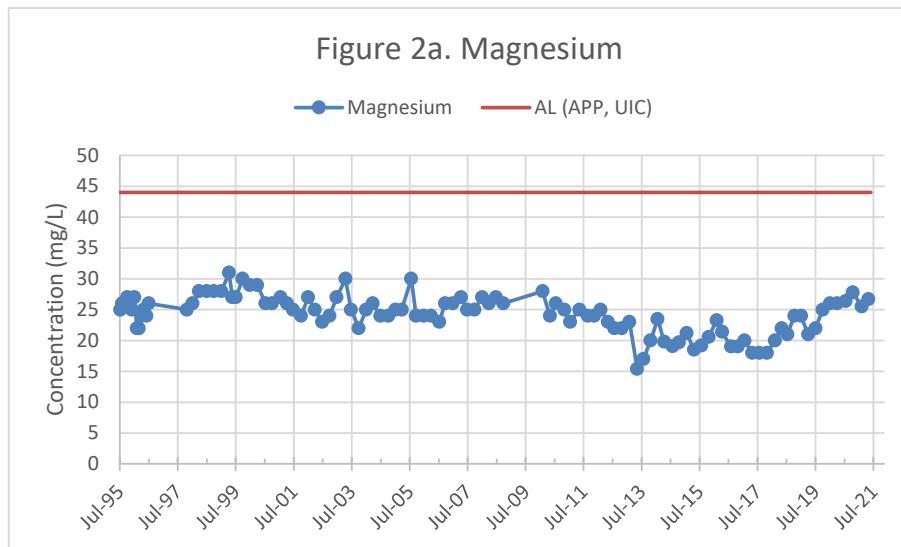
AL = Alert level

AQL = Aquifer Quality Limit

APP = APP No. P-101704

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M15-GU QUARTERLY CONCENTRATION GRAPHS



**Notes:**

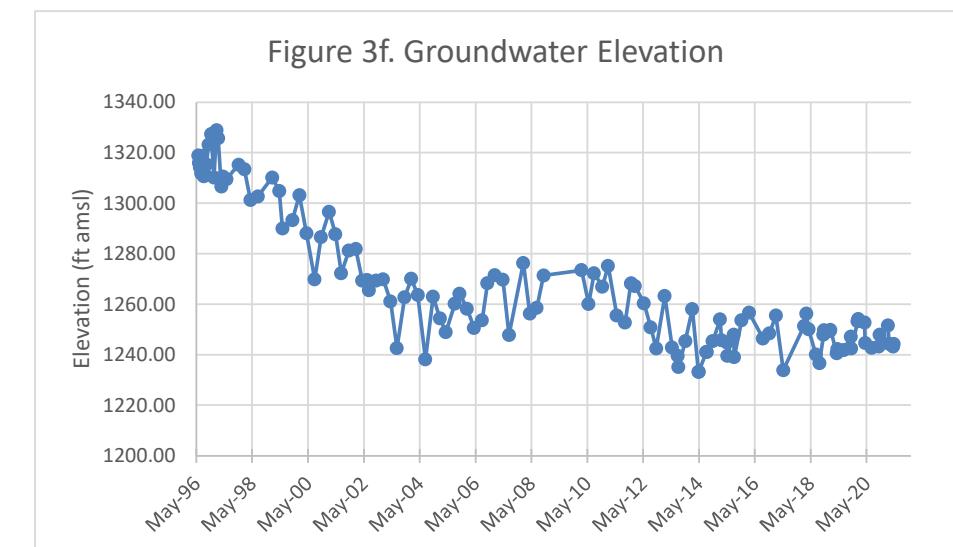
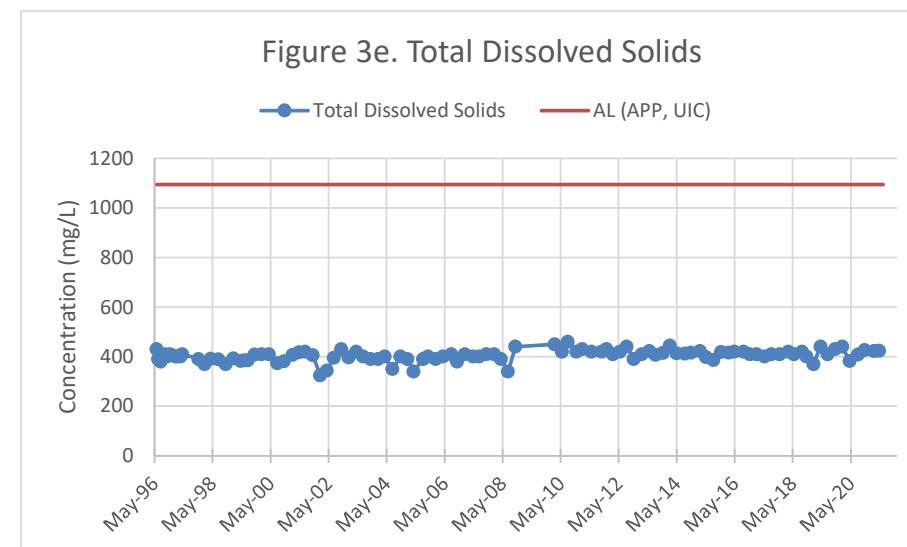
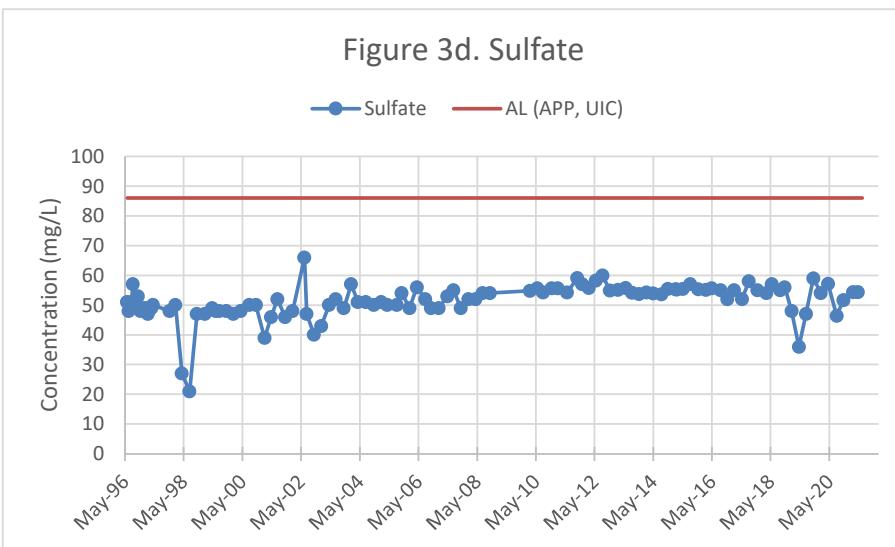
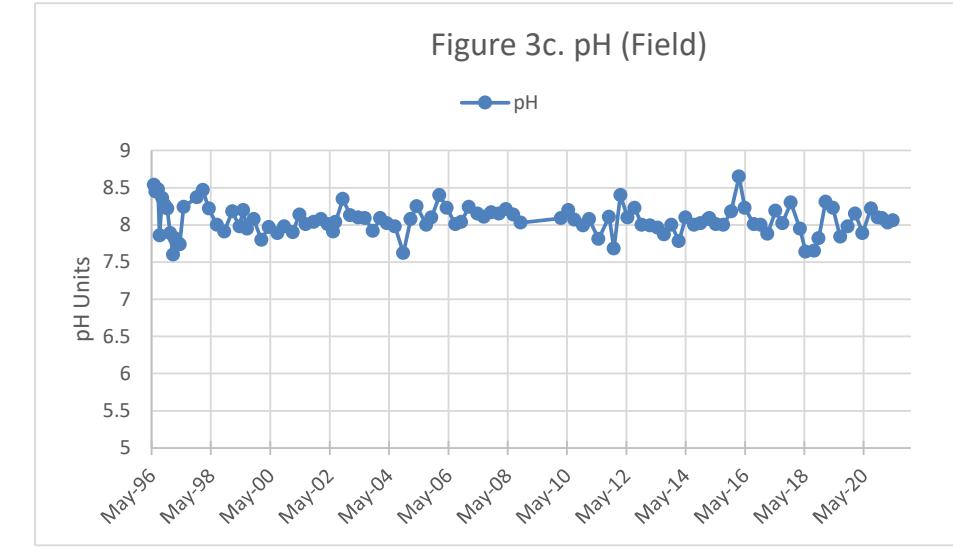
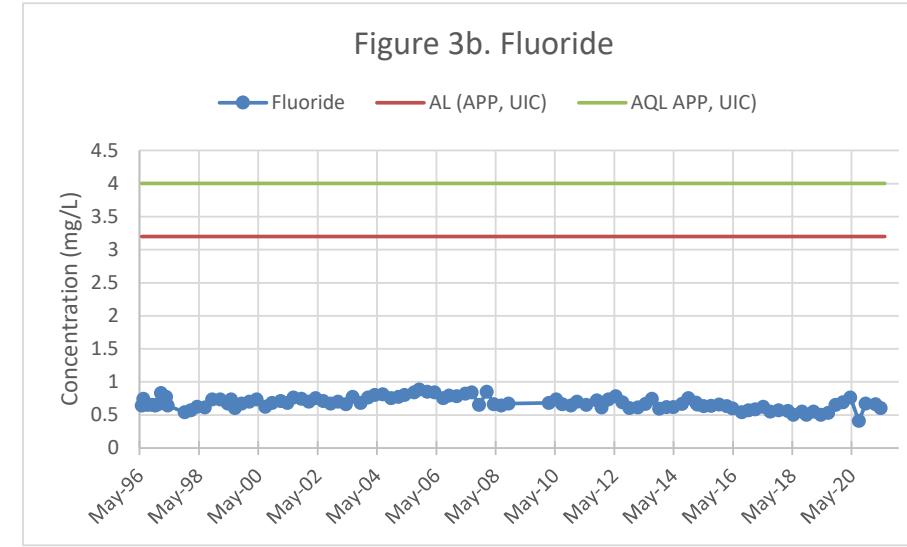
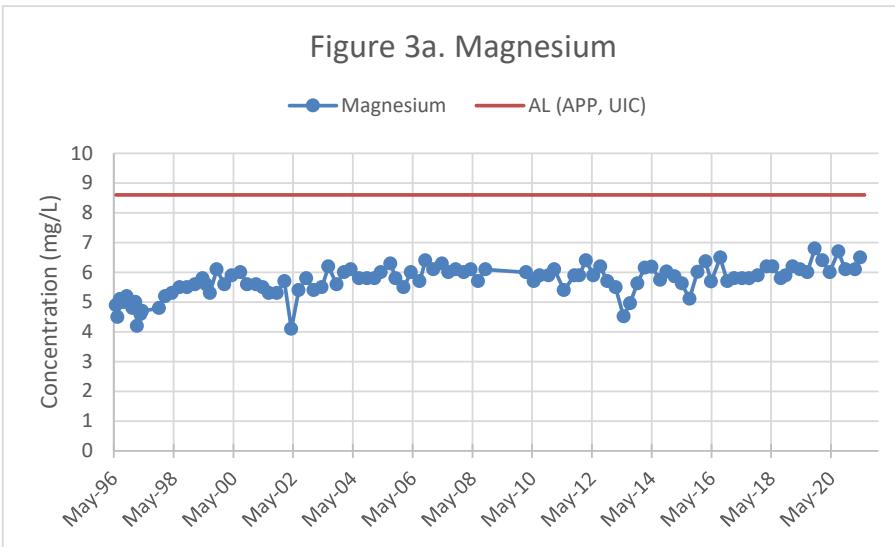
AL = Alert level

AQL = Aquifer Quality Limit

APP = APP No. P-101704

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M22-O QUARTERLY CONCENTRATION GRAPHS



**Notes:**

Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

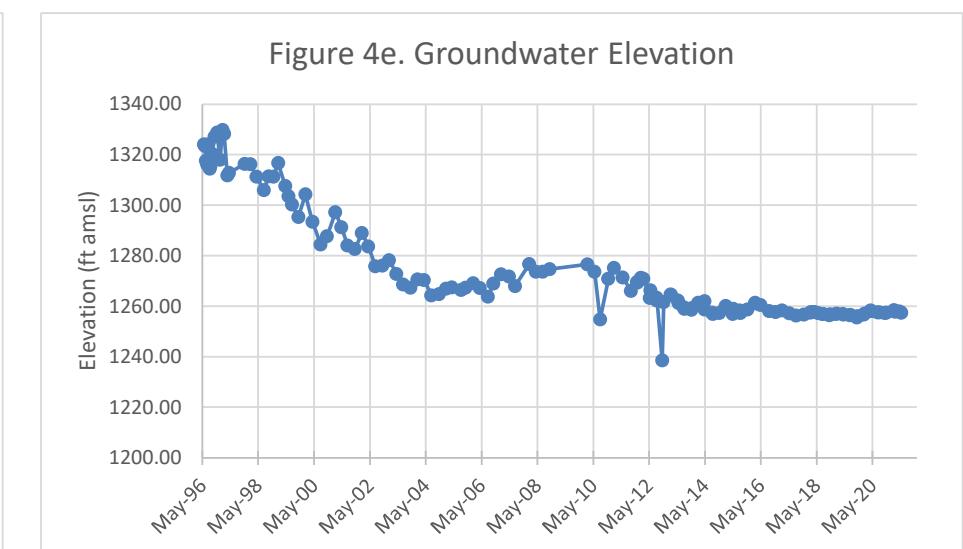
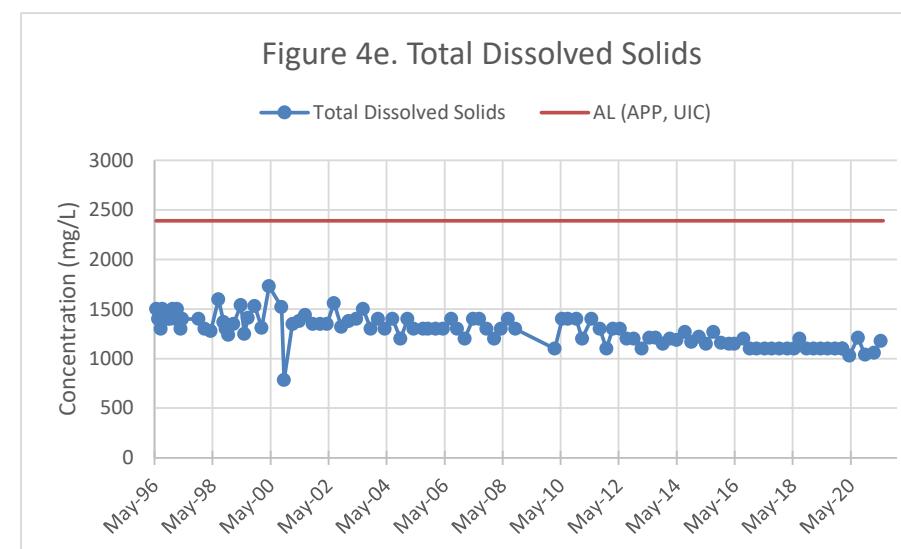
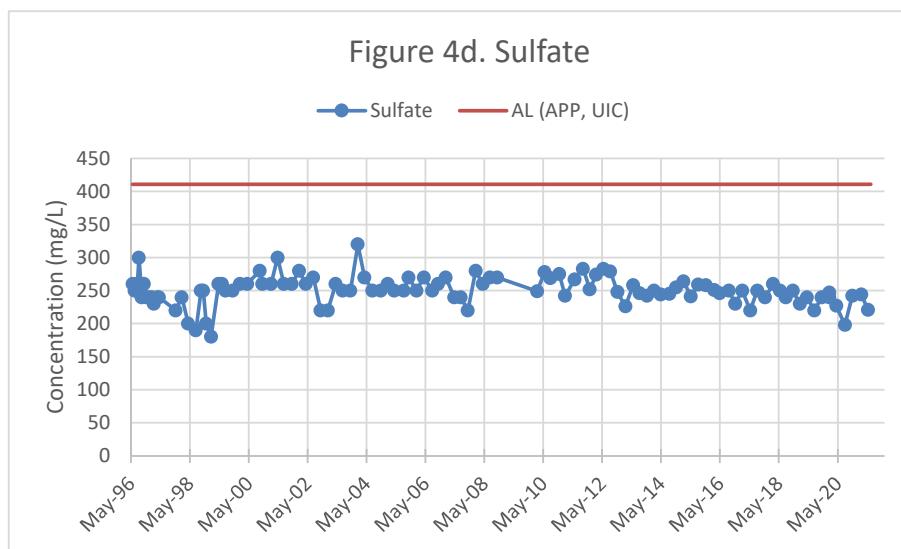
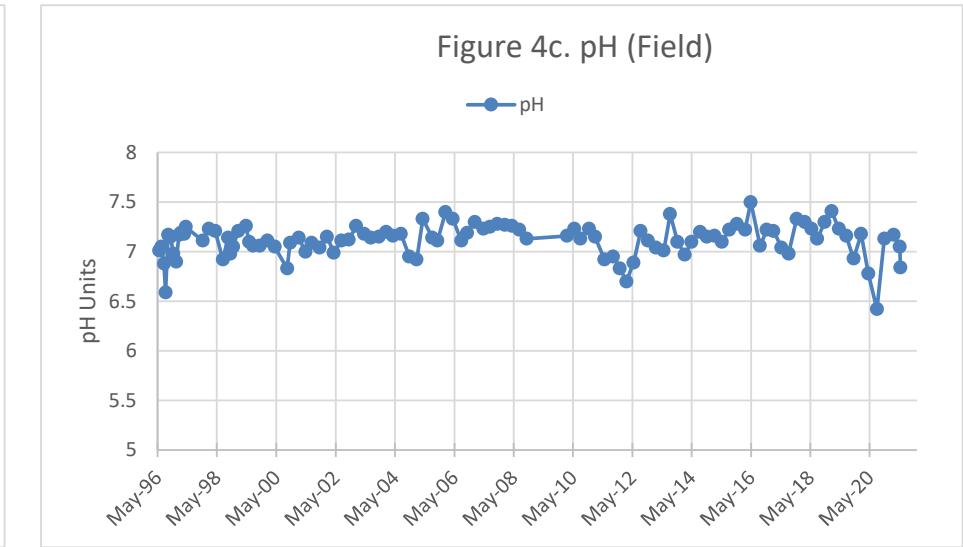
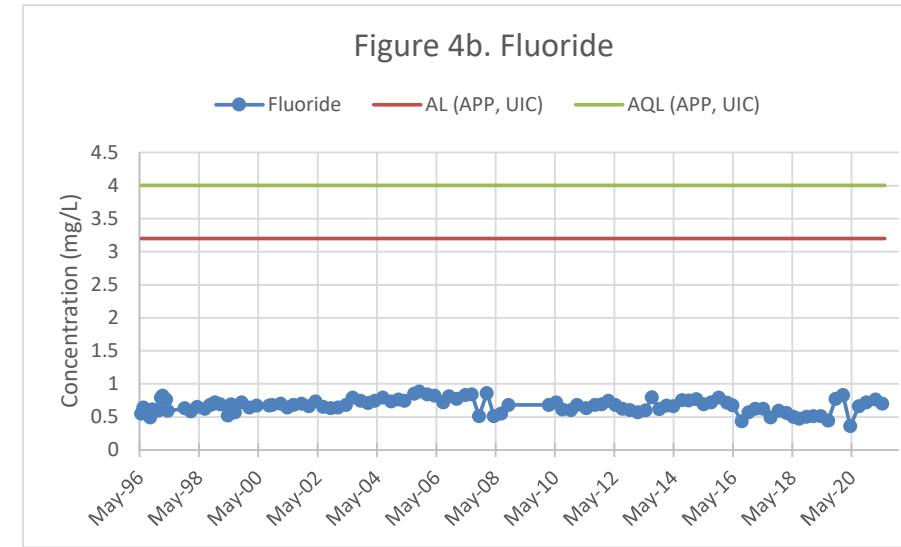
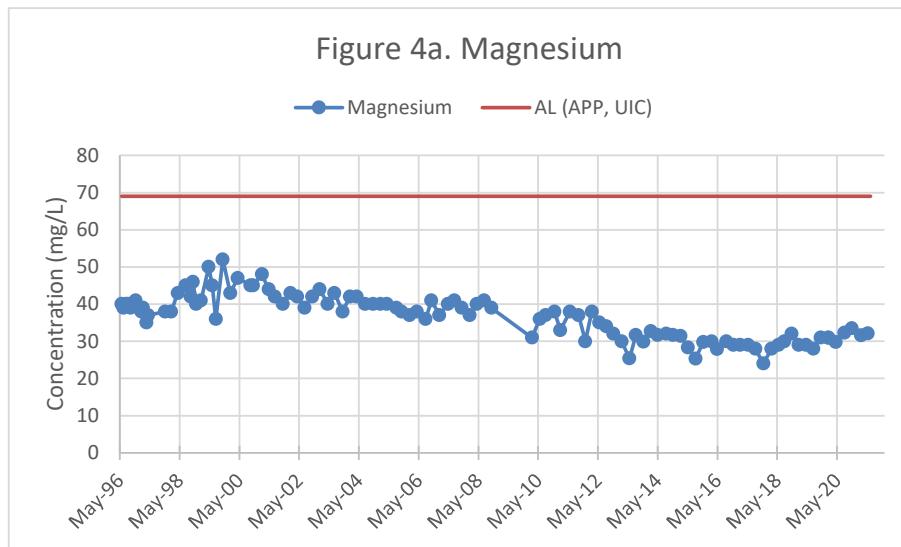
AL = Alert level

AQL = Aquifer Quality Limit

APP = APP No. P-101704

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M23-UBF QUARTERLY CONCENTRATION GRAPHS



**Notes:**

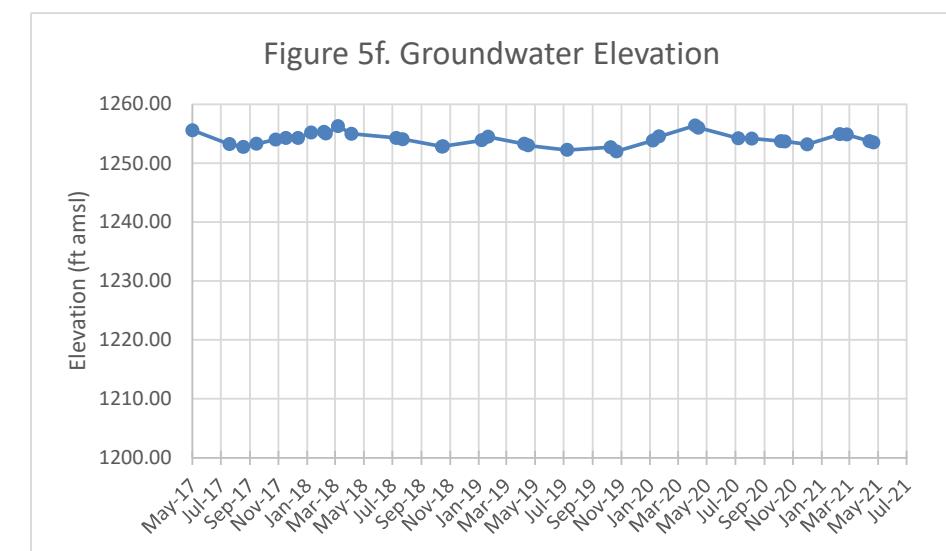
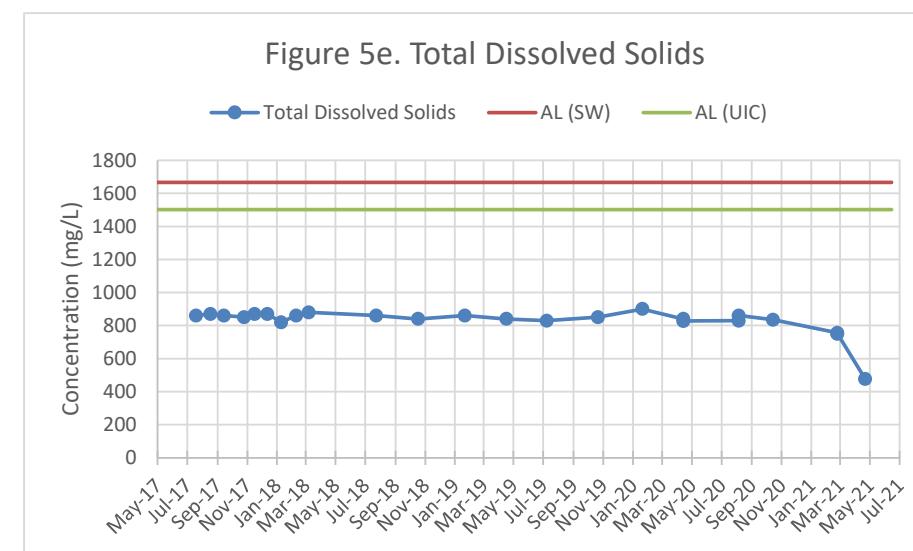
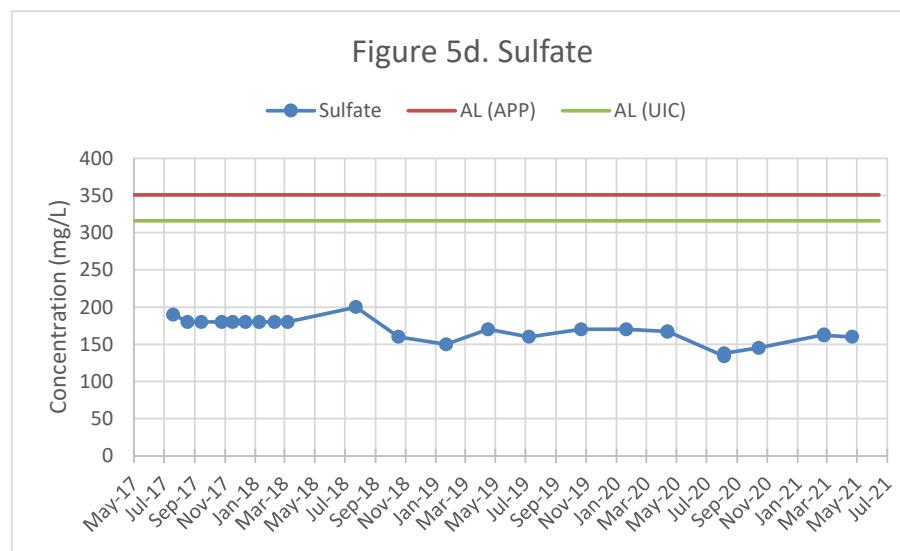
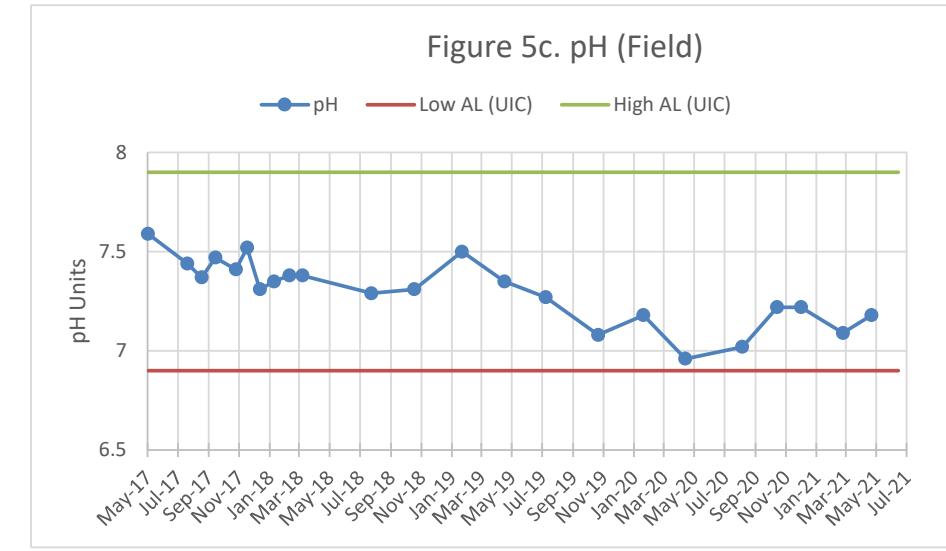
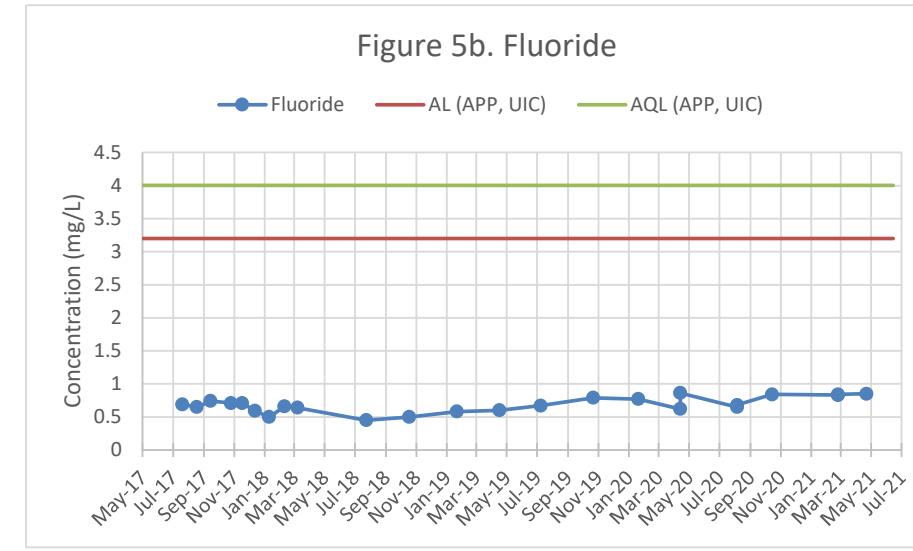
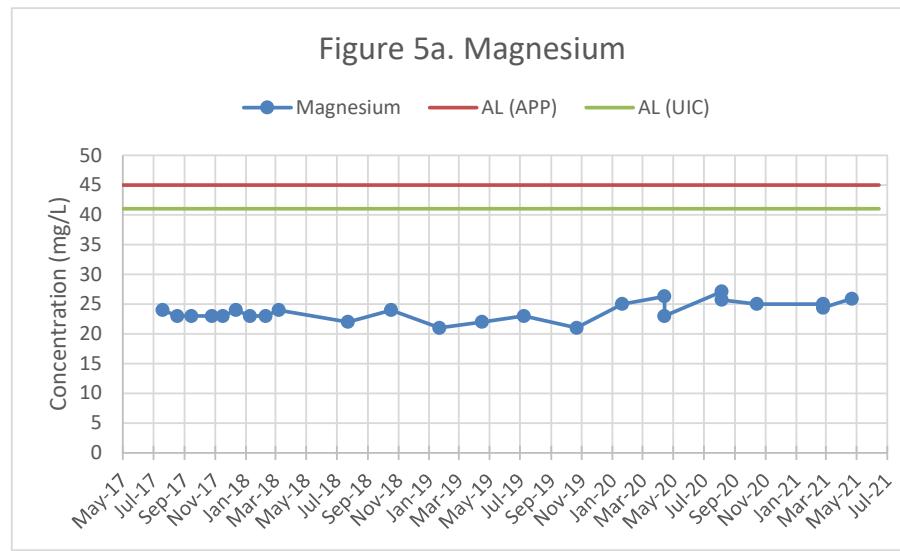
AL = Alert level

AQL = Aquifer Quality Limit

APP = APP No. P-101704

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M52-UBF QUARTERLY CONCENTRATION GRAPHS



**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

APP = APP No. P-101704

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M54-LBF QUARTERLY CONCENTRATION GRAPHS

Figure 6a. Magnesium

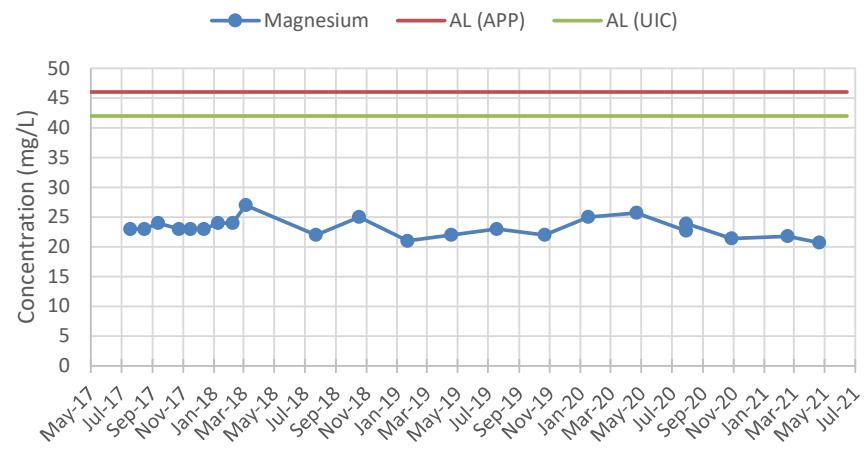


Figure 6b. Fluoride

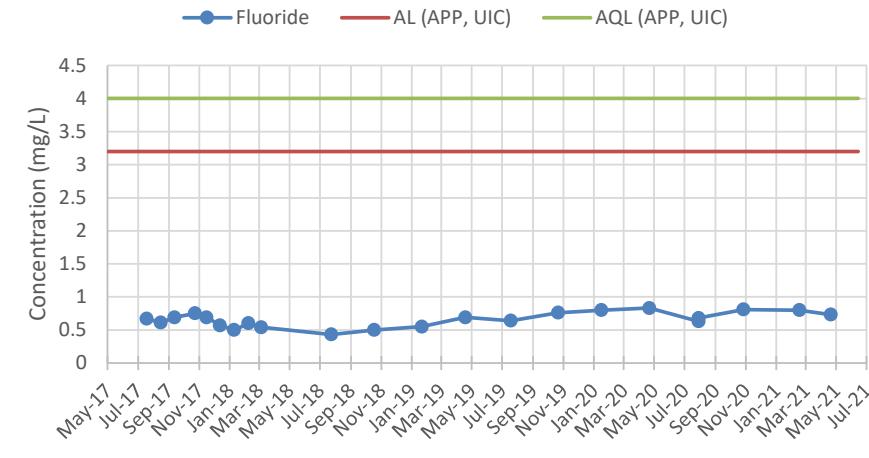


Figure 6c. pH (Field)

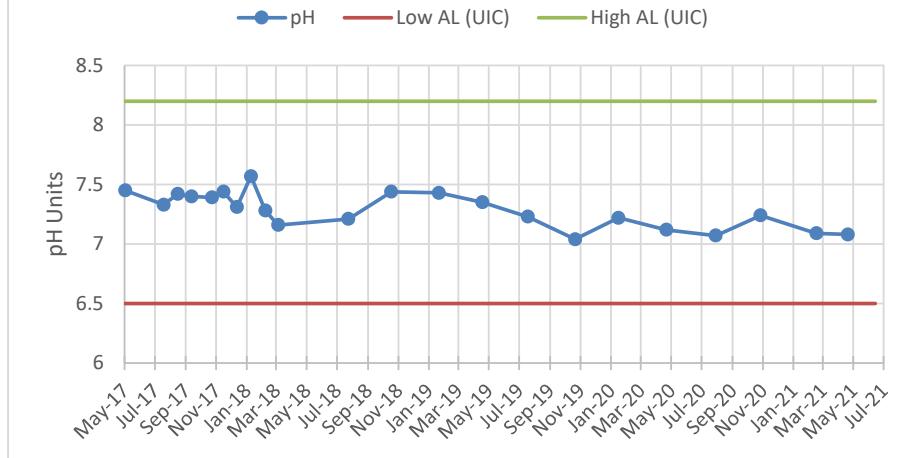


Figure 6d. Sulfate

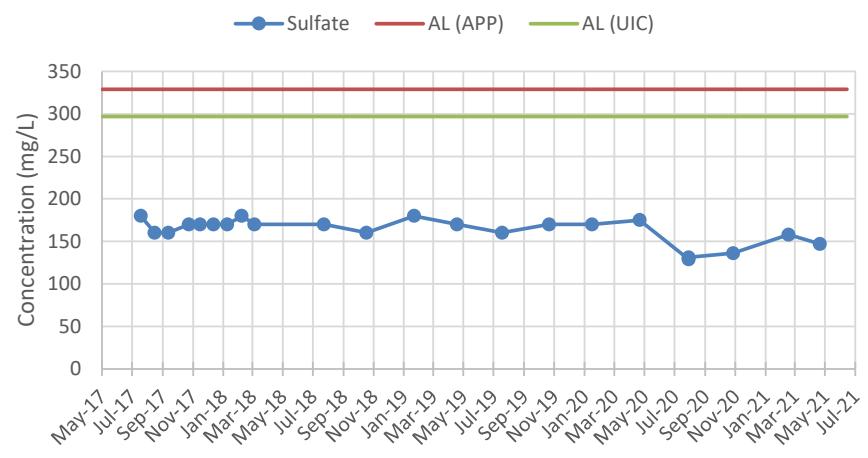


Figure 6e. Total Dissolved Solids

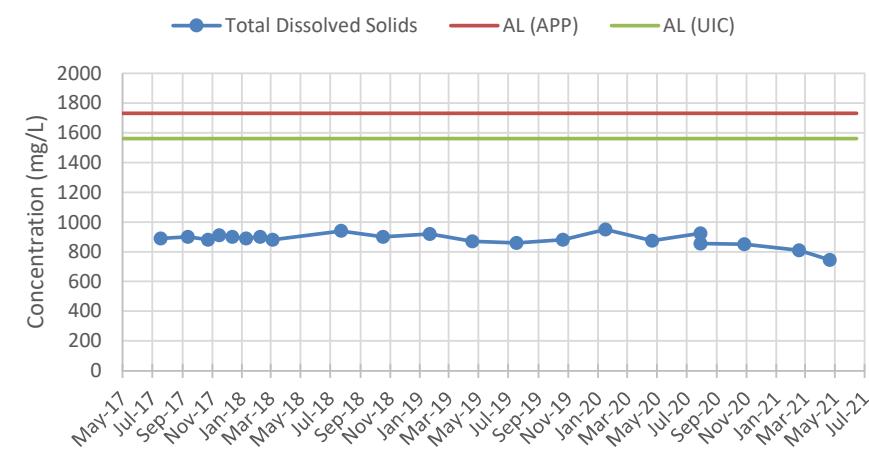
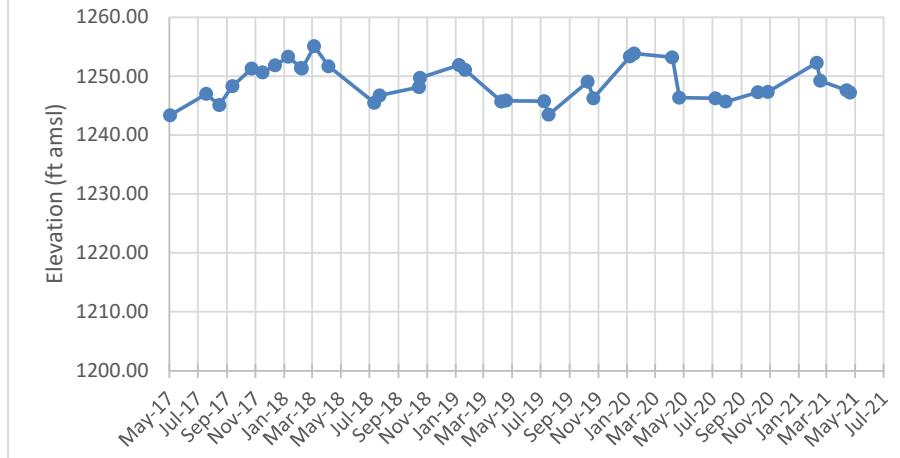


Figure 6f. Groundwater Elevation



**Notes:**

Historical outliers removed from graphs for visual representation, but are maintained in the dataset.

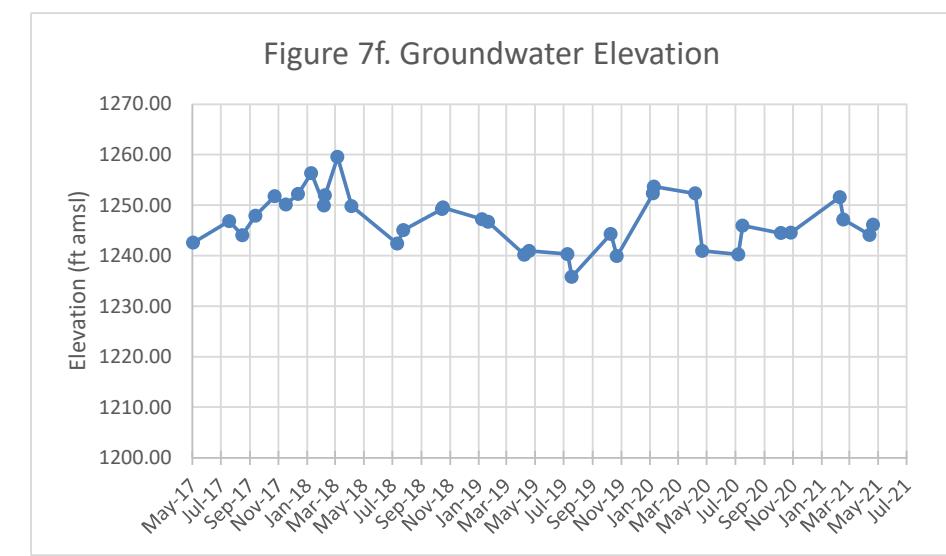
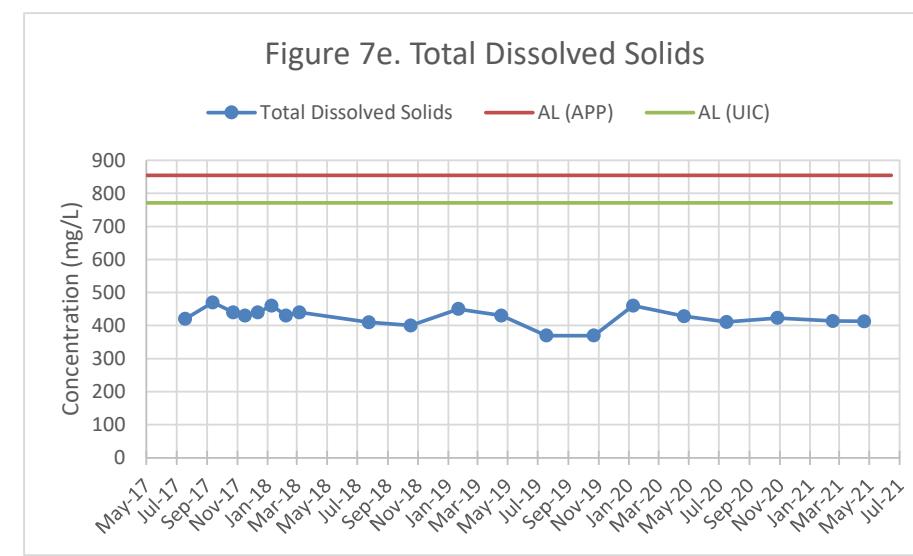
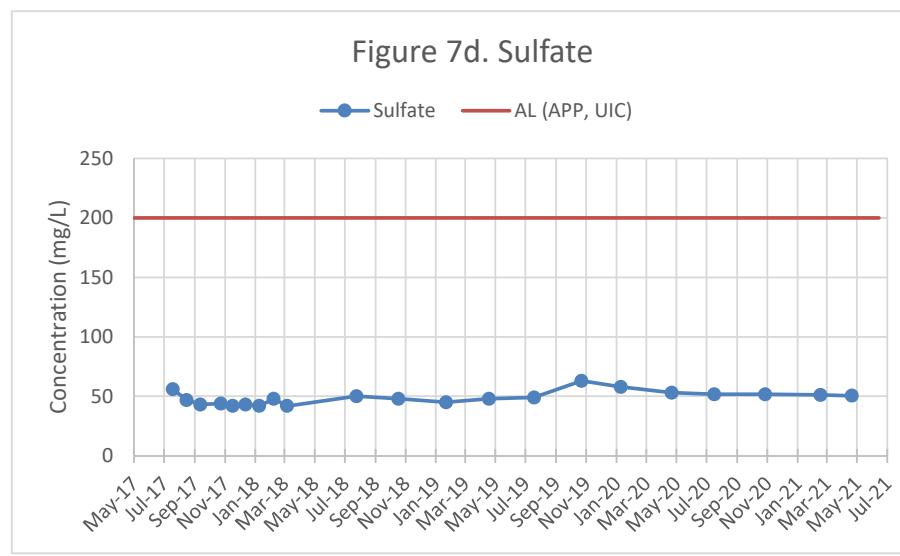
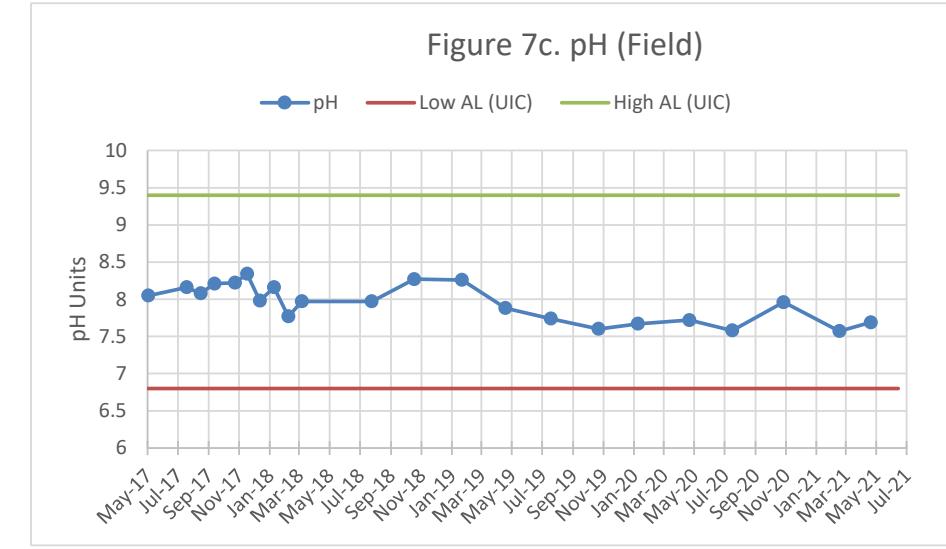
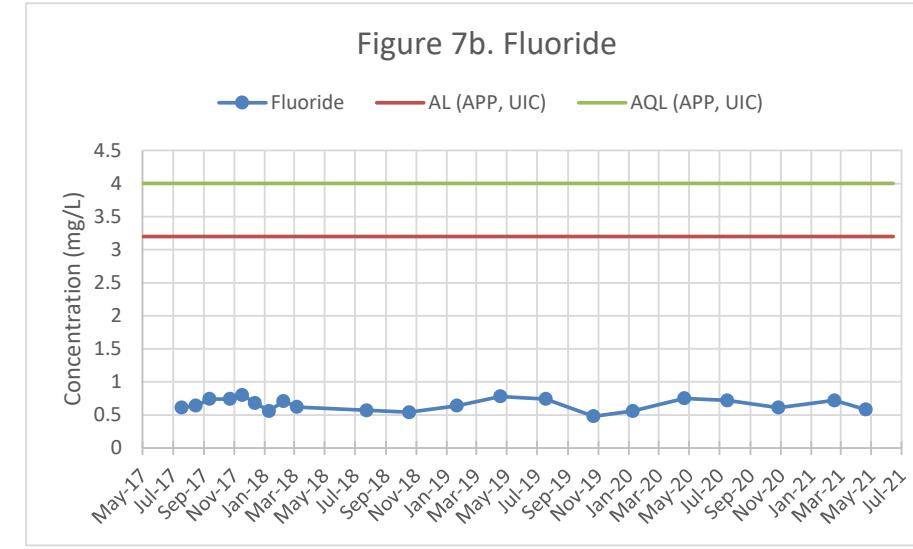
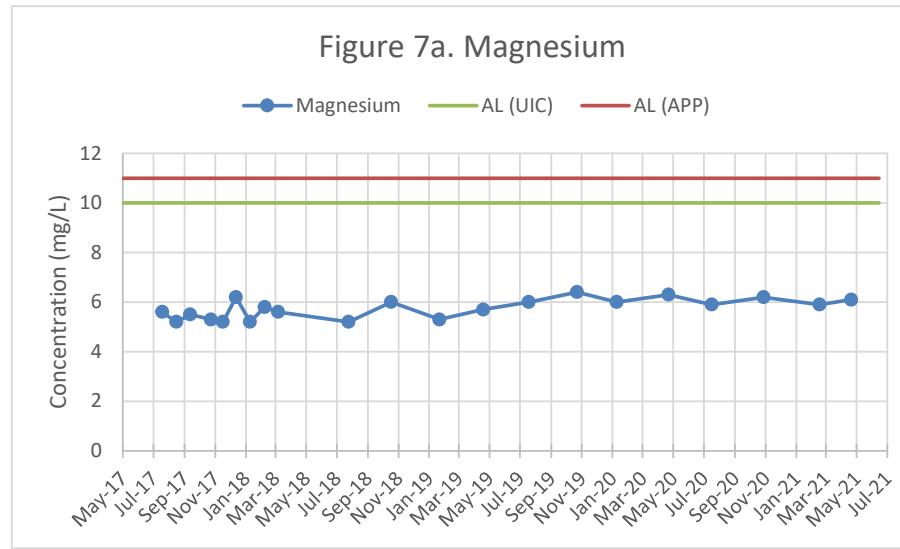
AL = Alert level

AQL = Aquifer Quality Limit

APP = APP No. P-101704

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M54-O QUARTERLY CONCENTRATION GRAPHS



**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

APP = APP No. P-101704

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M55-UBF QUARTERLY CONCENTRATION GRAPHS

Figure 8a. Magnesium

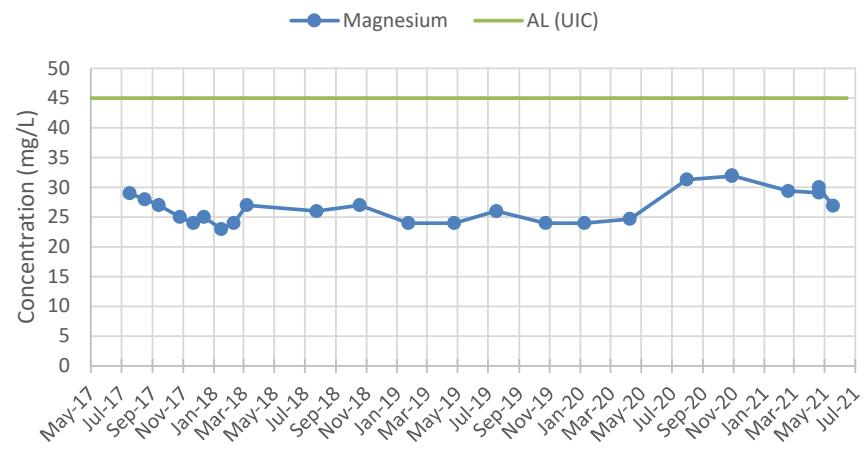


Figure 8b. Fluoride

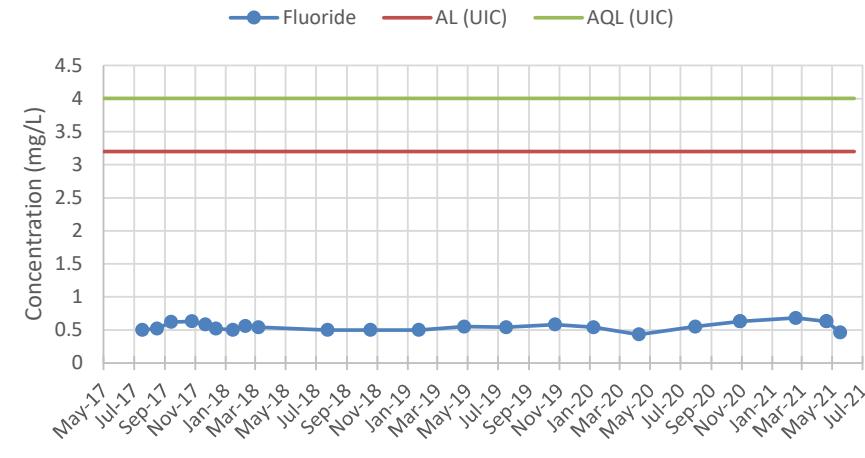


Figure 8c. pH (Field)

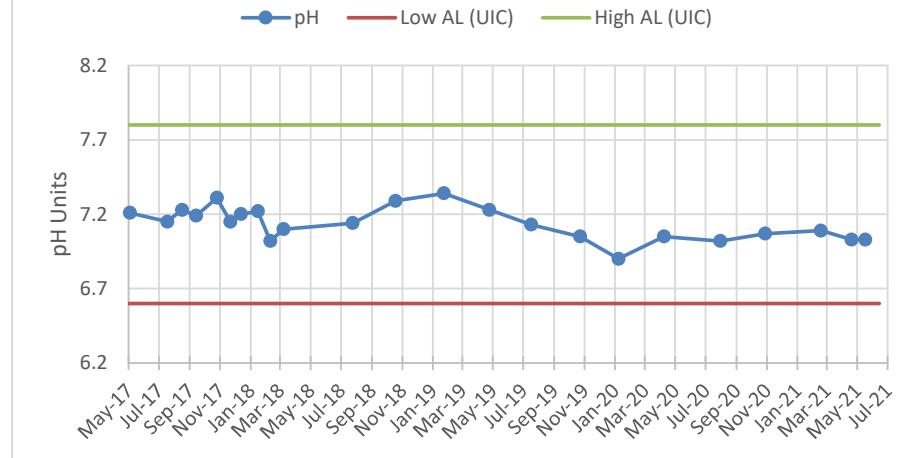


Figure 8d. Sulfate

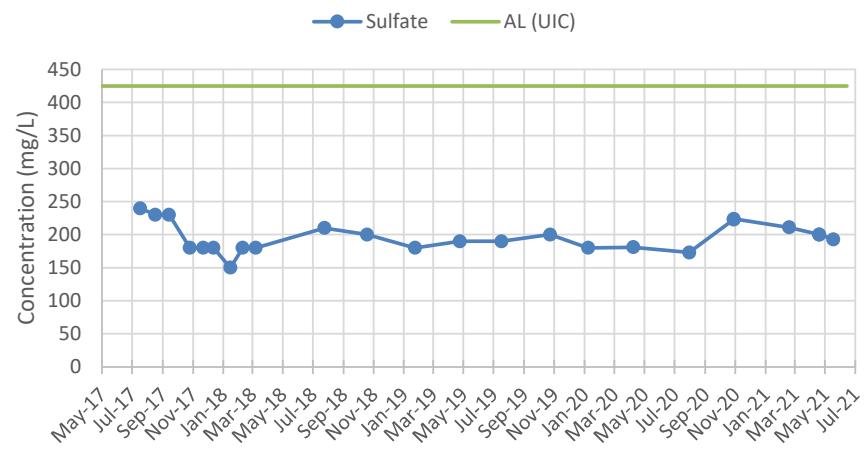


Figure 8e. Total Dissolved Solids

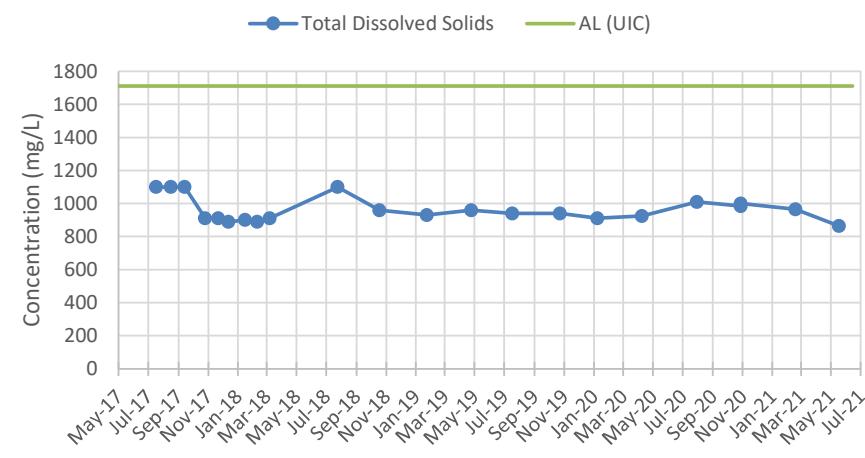
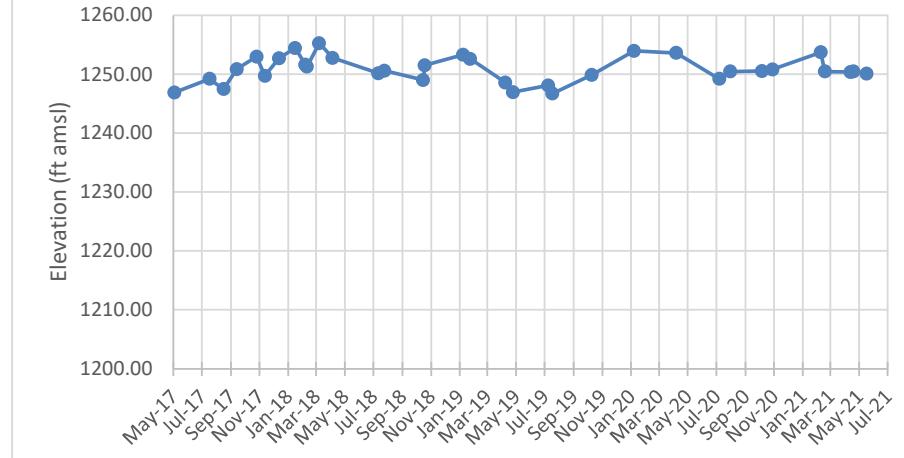


Figure 8f. Groundwater Elevation



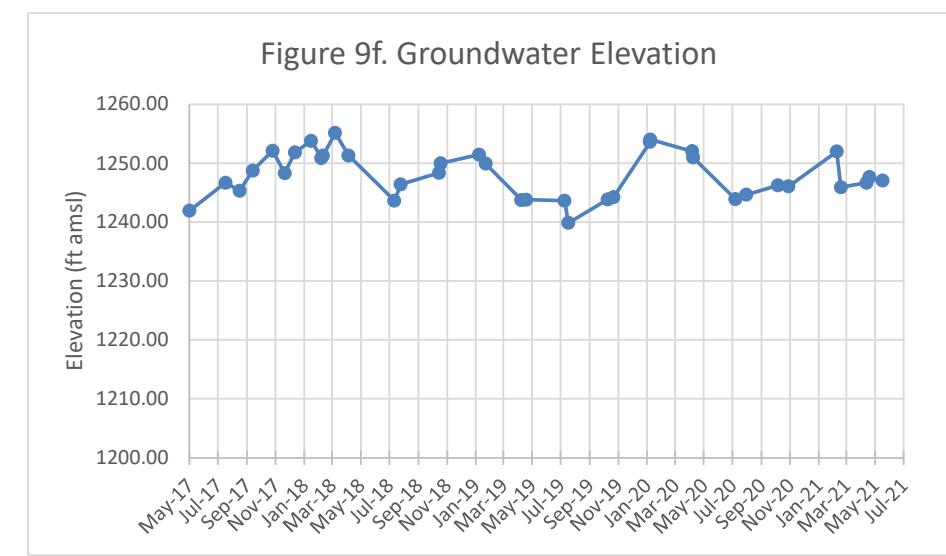
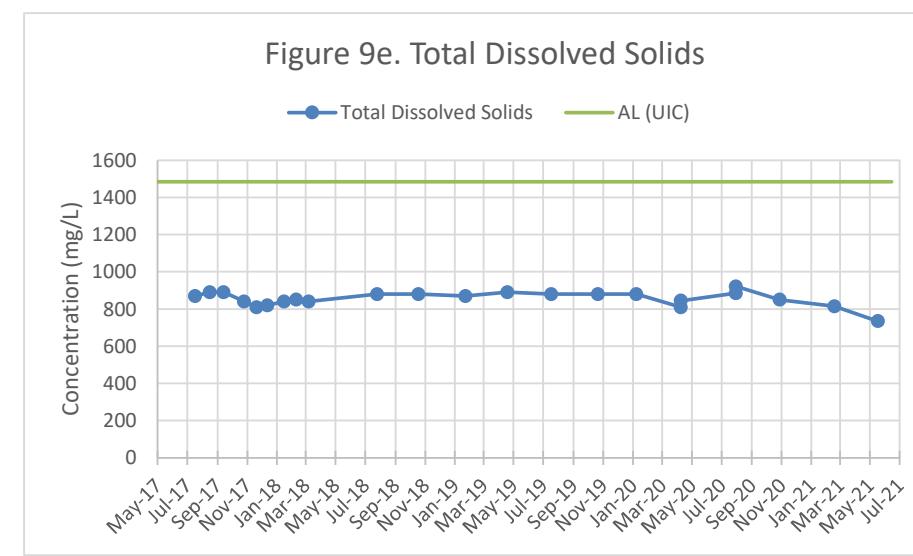
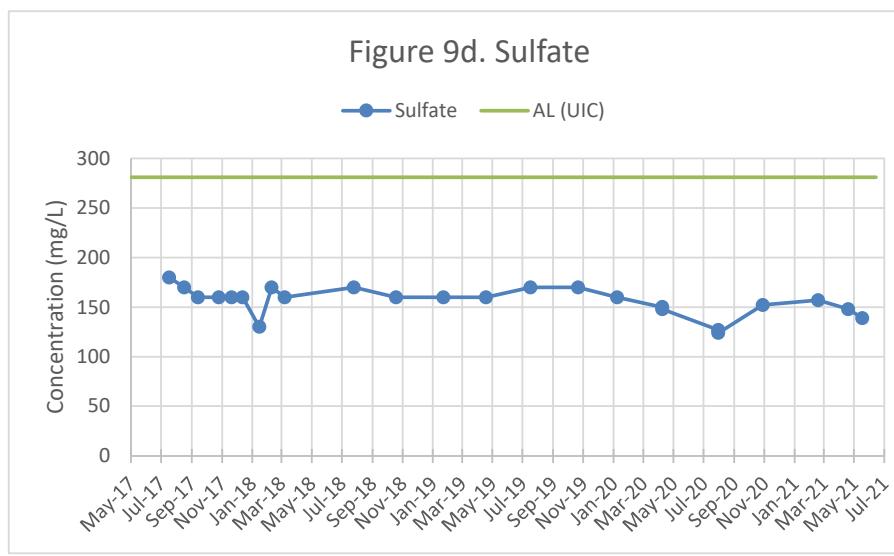
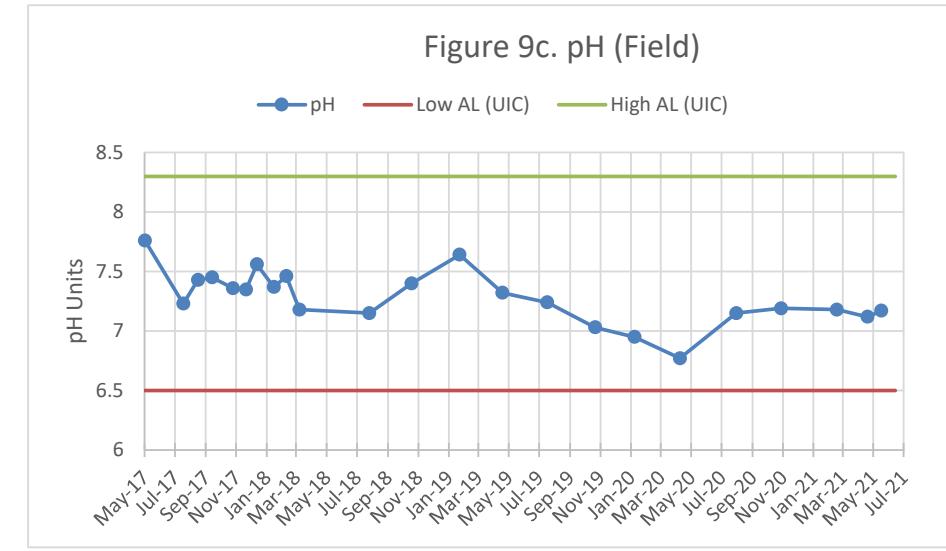
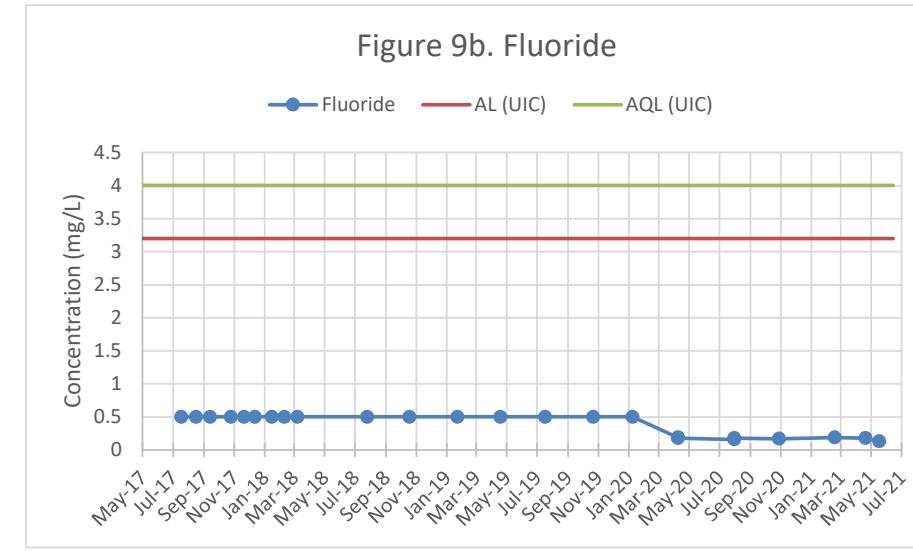
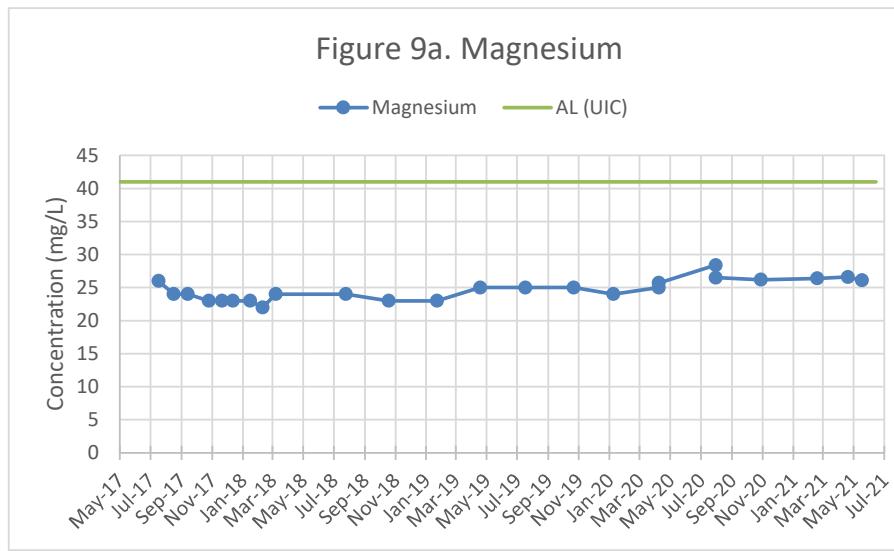
**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M56-LBF QUARTERLY CONCENTRATION GRAPHS



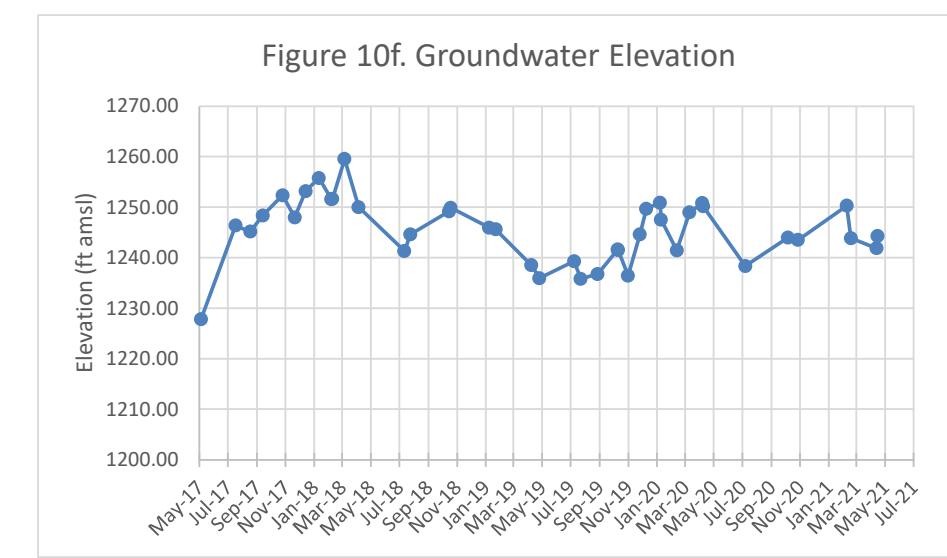
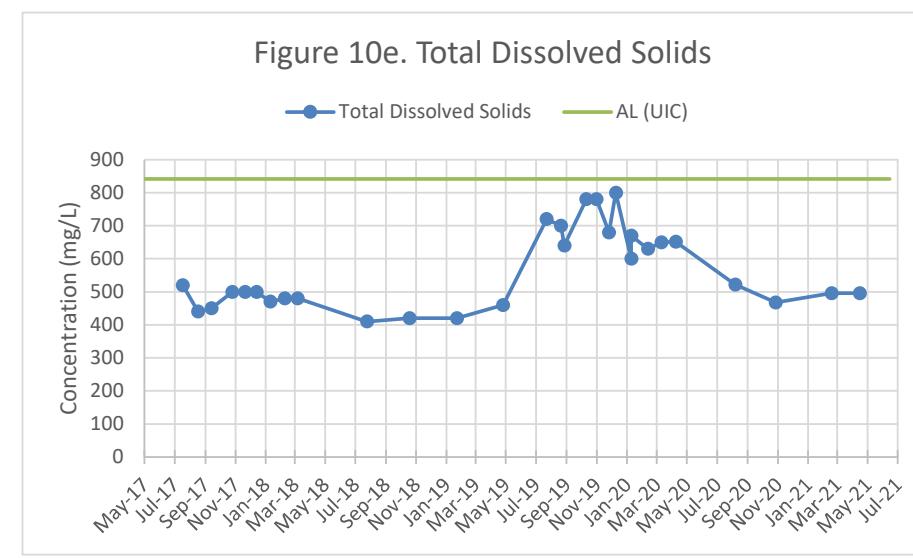
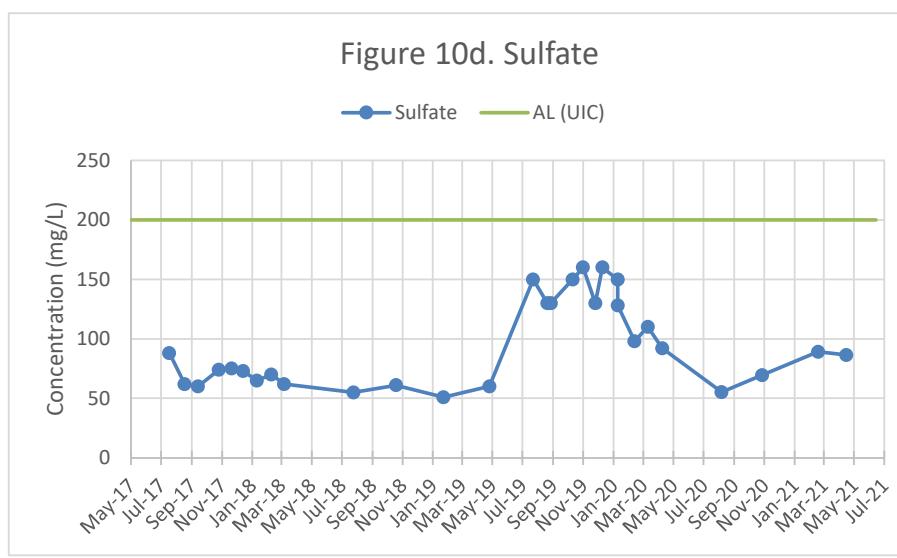
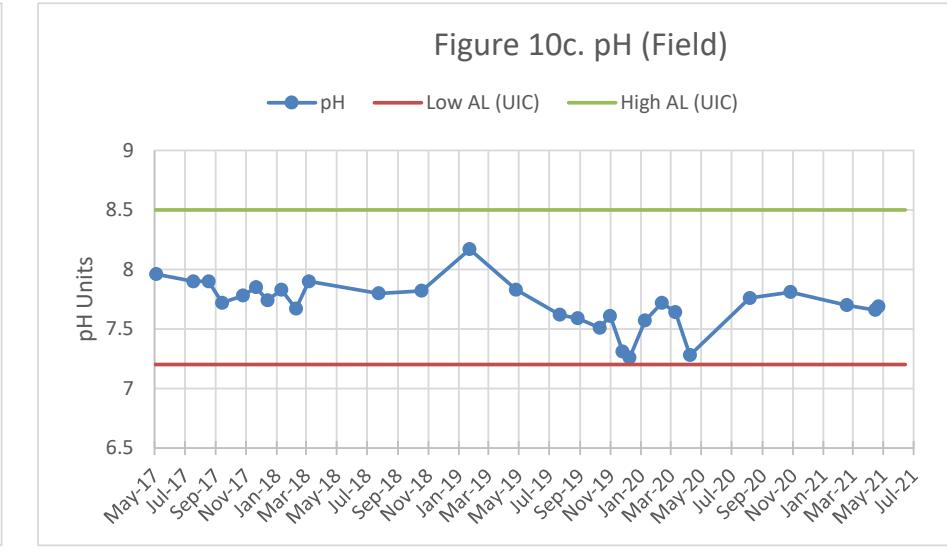
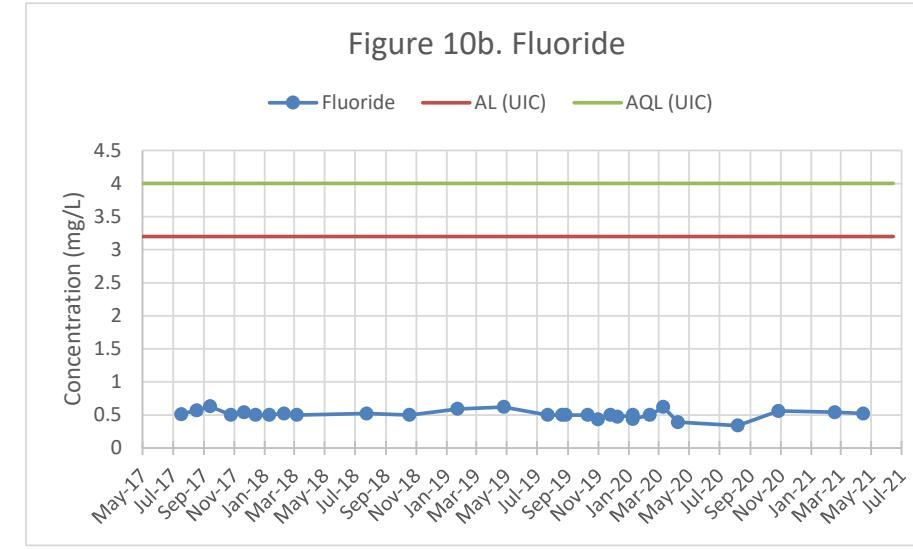
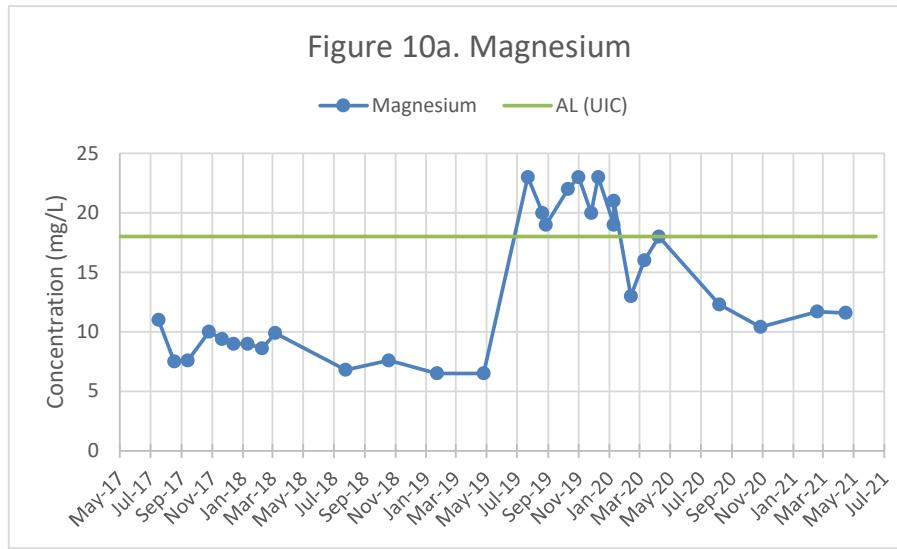
**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M57-O QUARTERLY CONCENTRATION GRAPHS



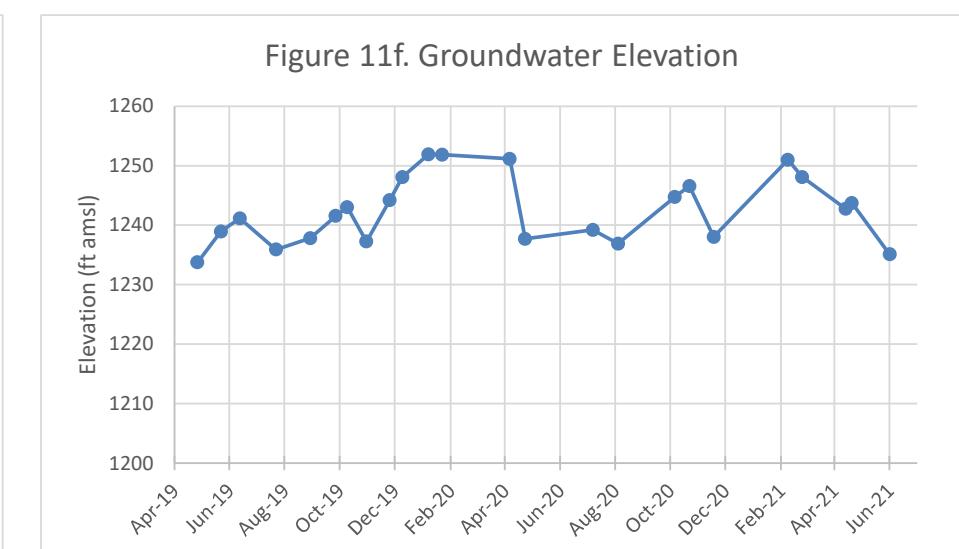
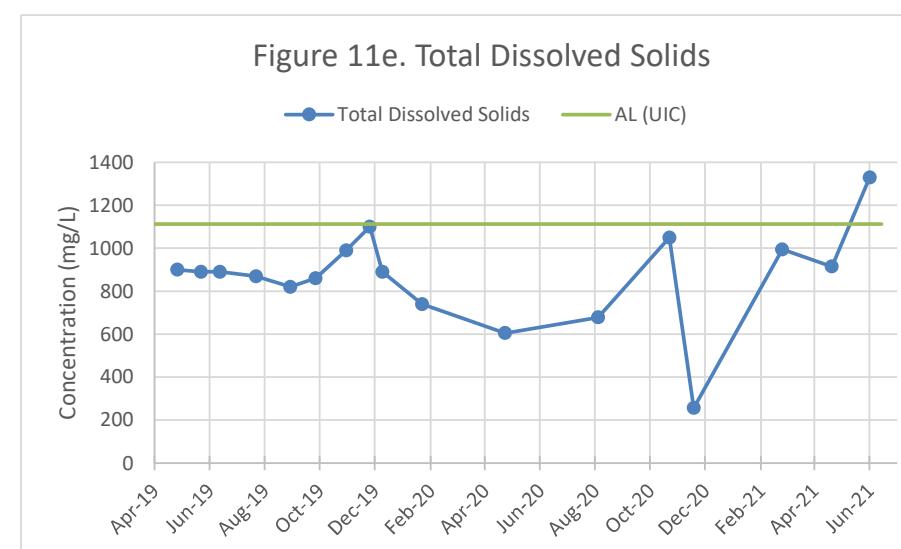
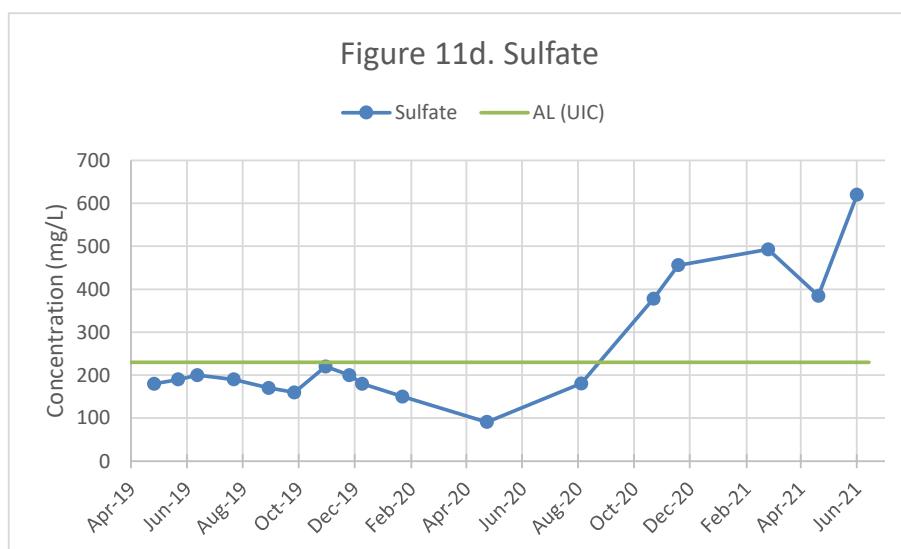
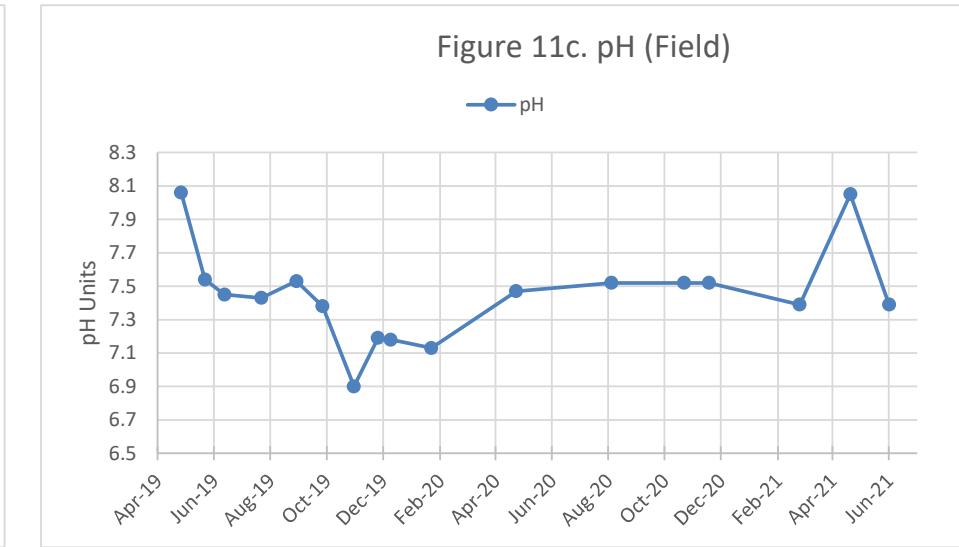
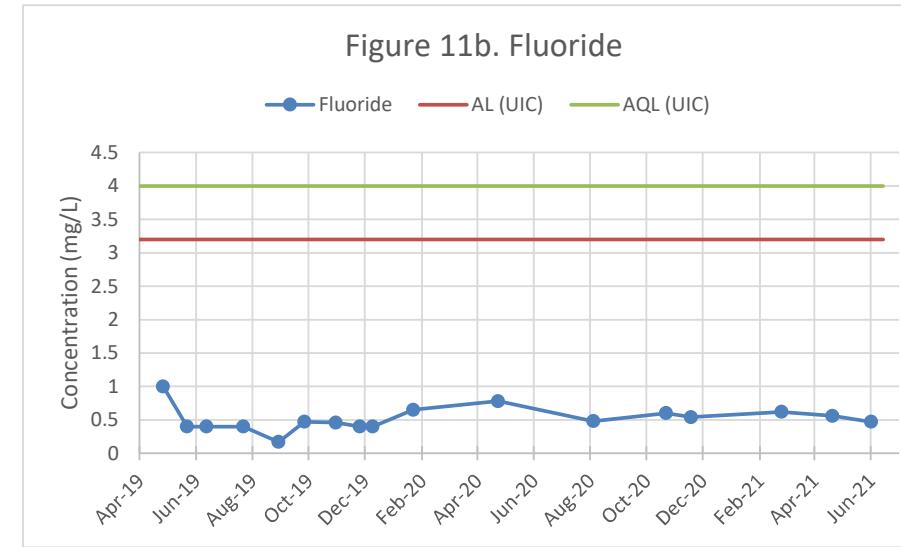
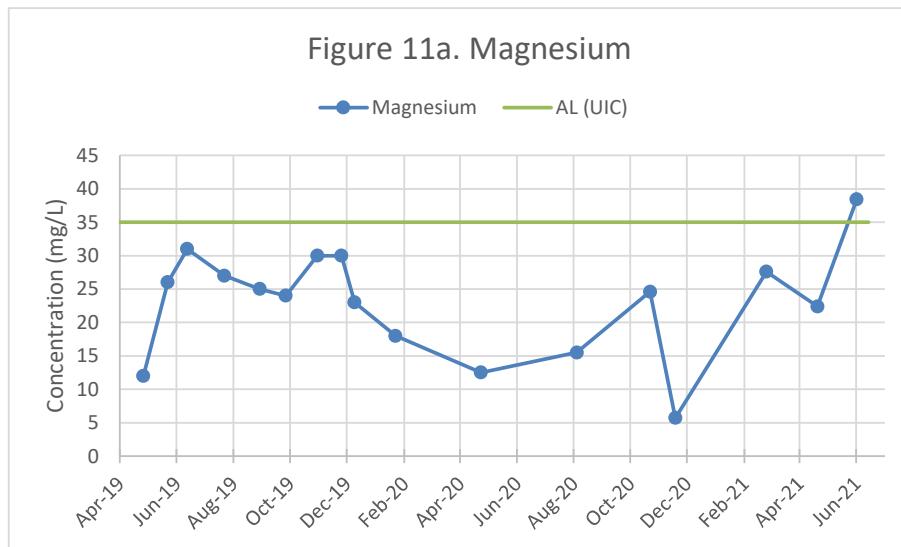
**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M57R-O QUARTERLY CONCENTRATION GRAPHS



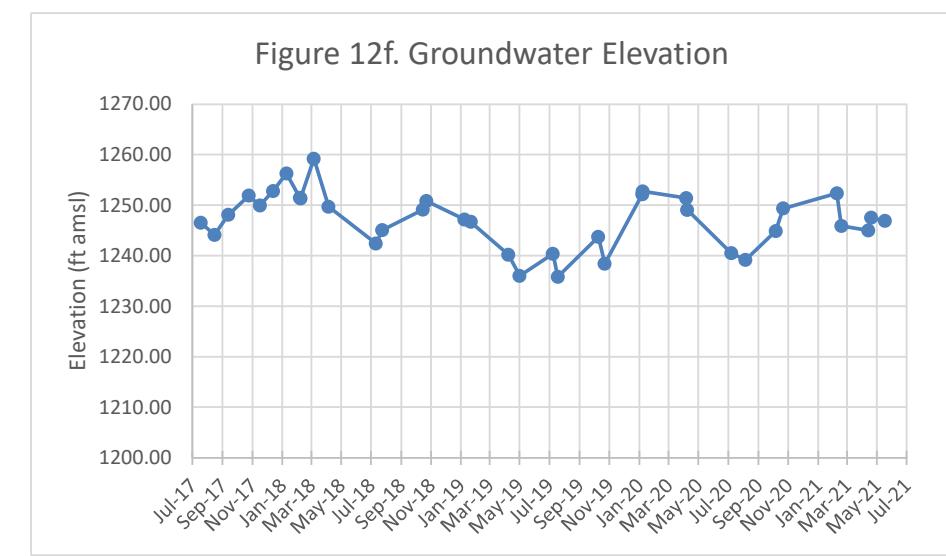
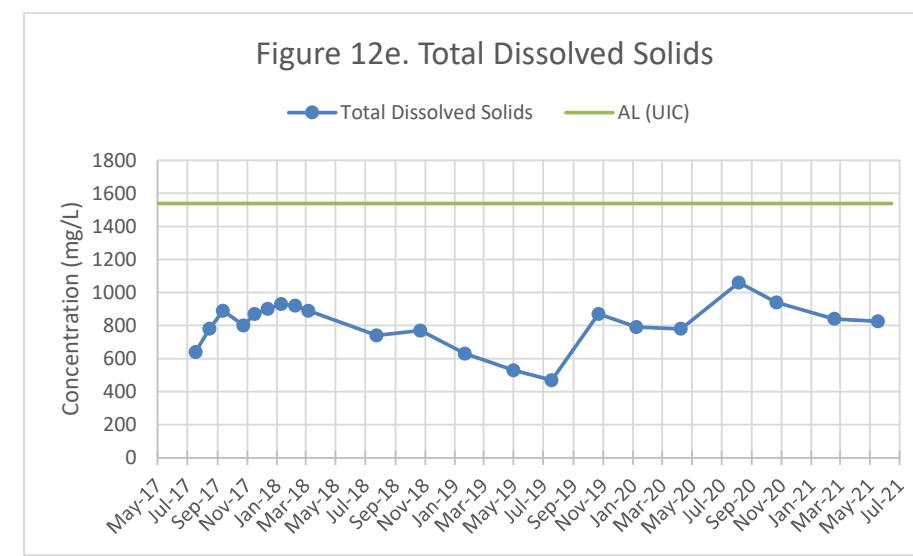
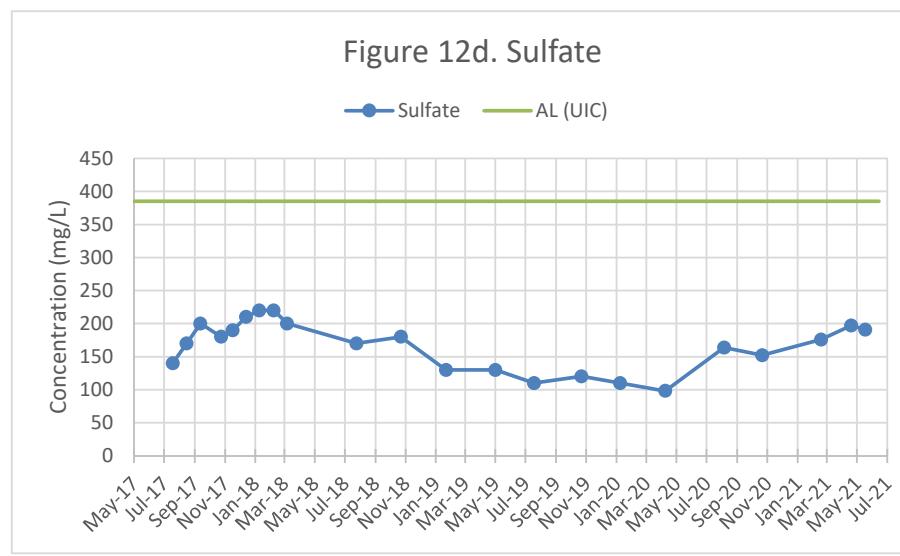
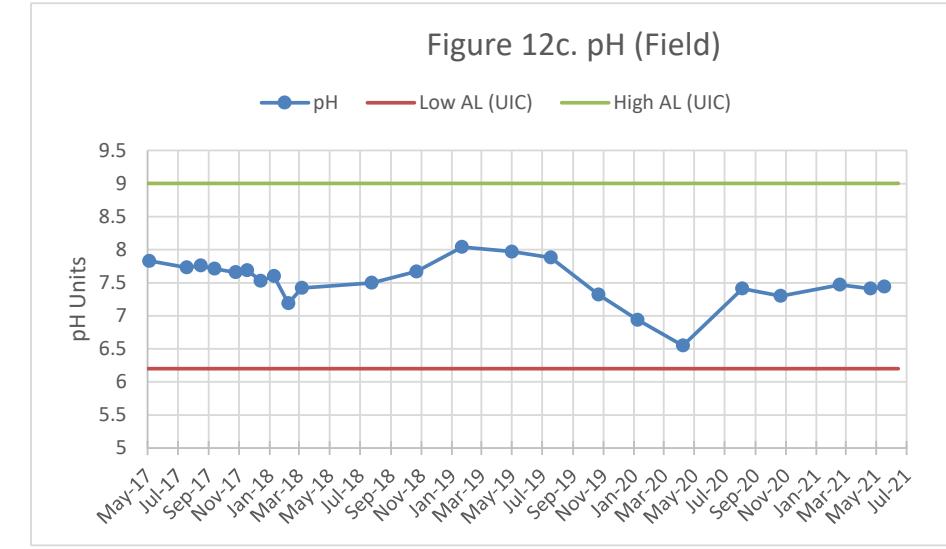
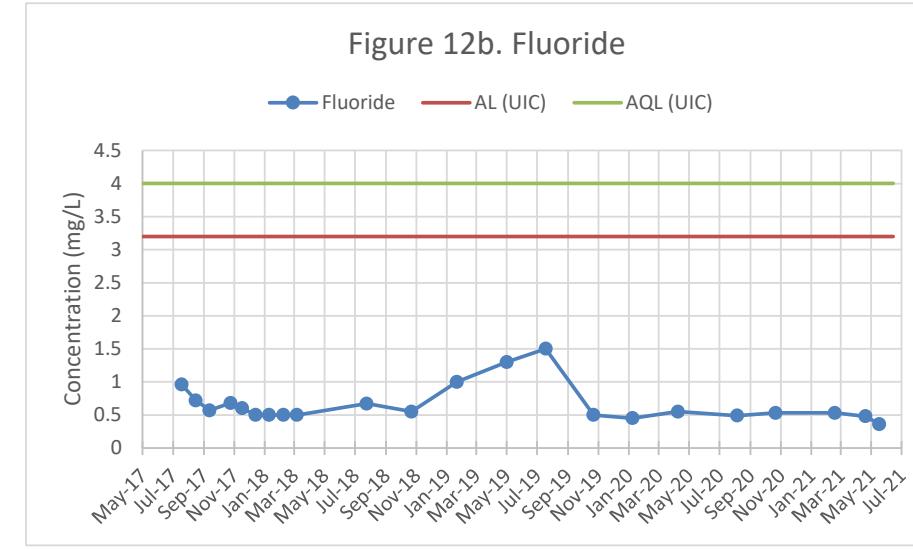
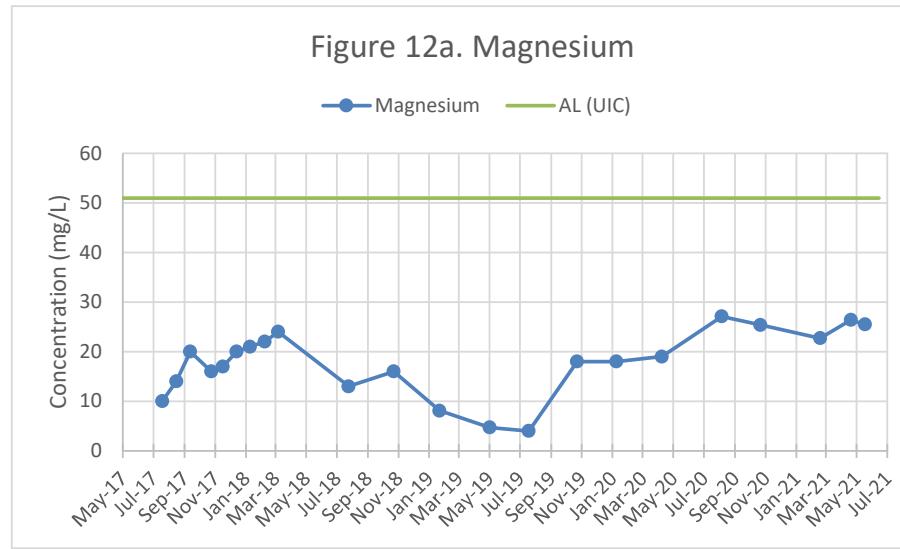
**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M58-O QUARTERLY CONCENTRATION GRAPHS



**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M59-O QUARTERLY CONCENTRATION GRAPHS

Figure 13a. Magnesium

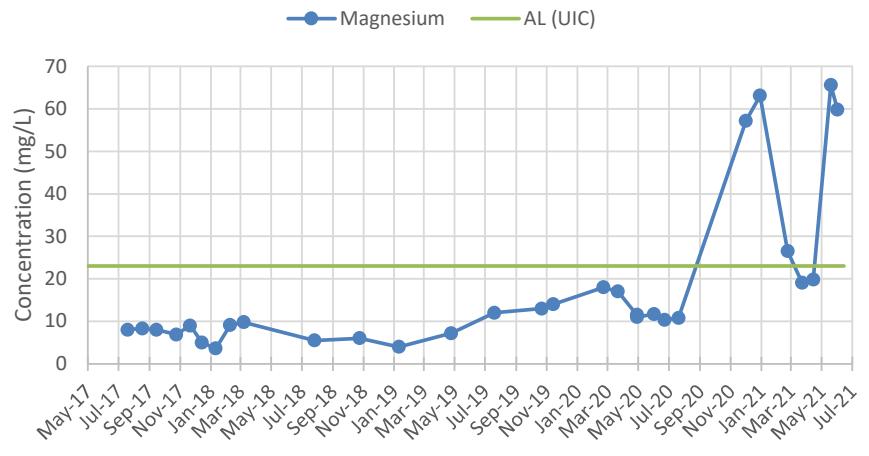


Figure 13b. Fluoride

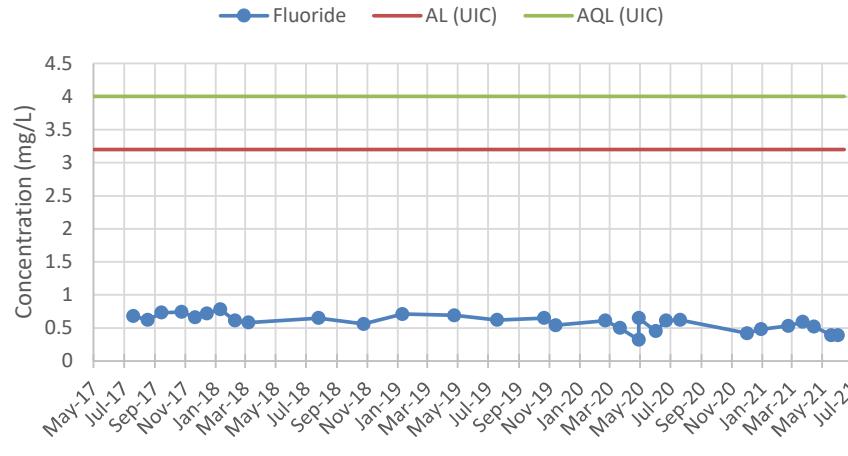


Figure 13c. pH (Field)

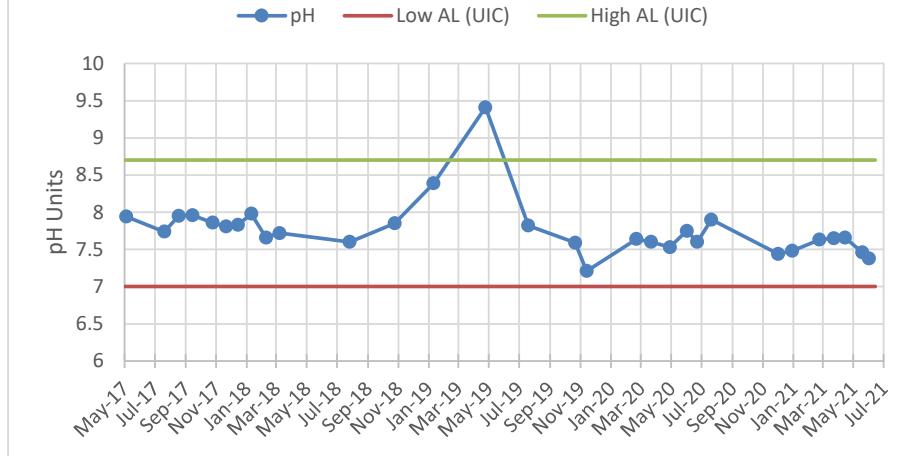


Figure 13d. Sulfate

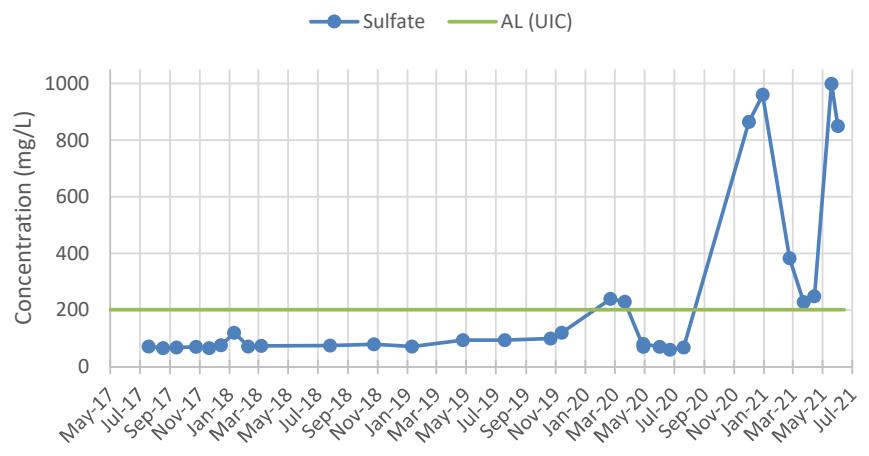


Figure 13e. Total Dissolved Solids

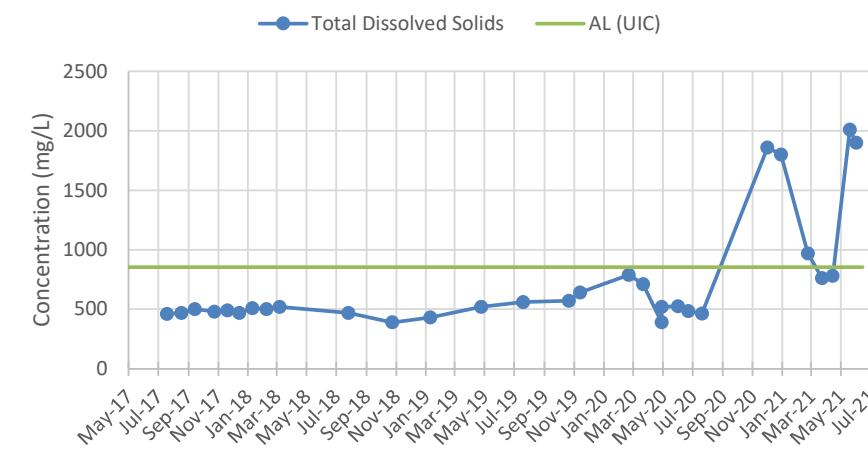
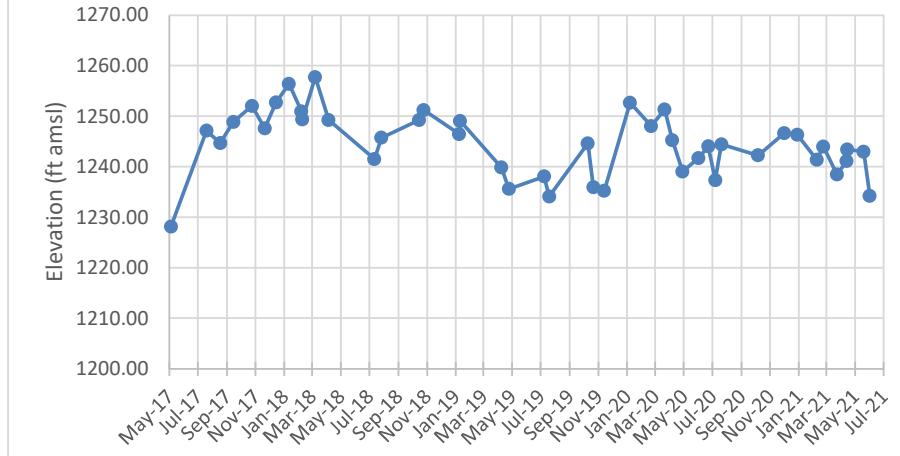


Figure 13f. Groundwater Elevation



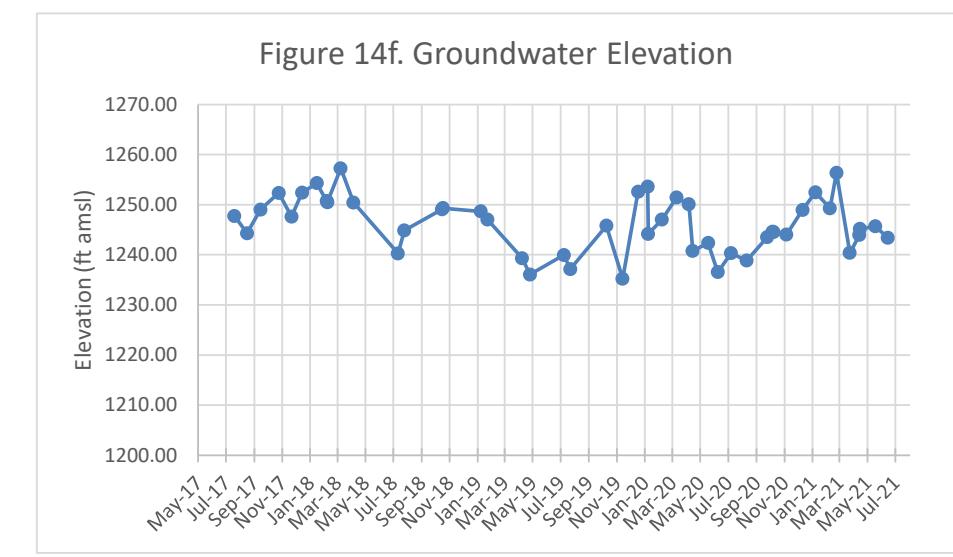
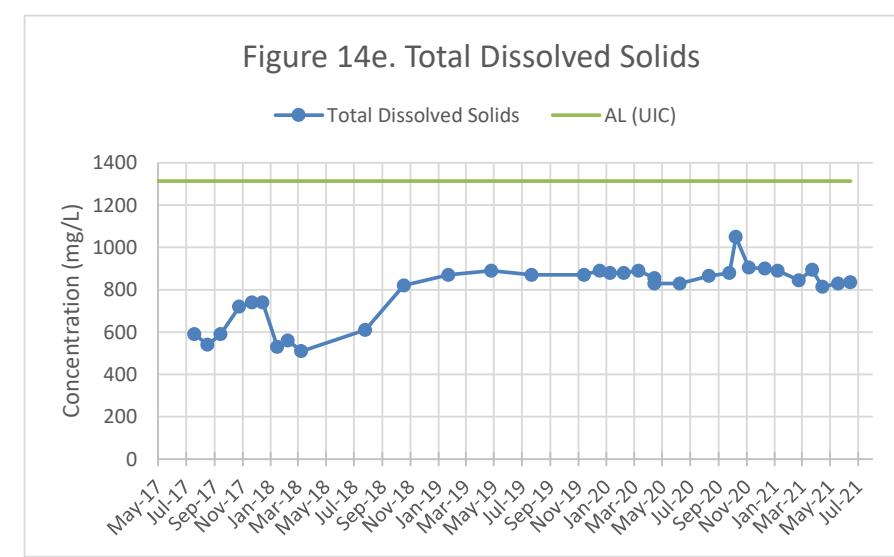
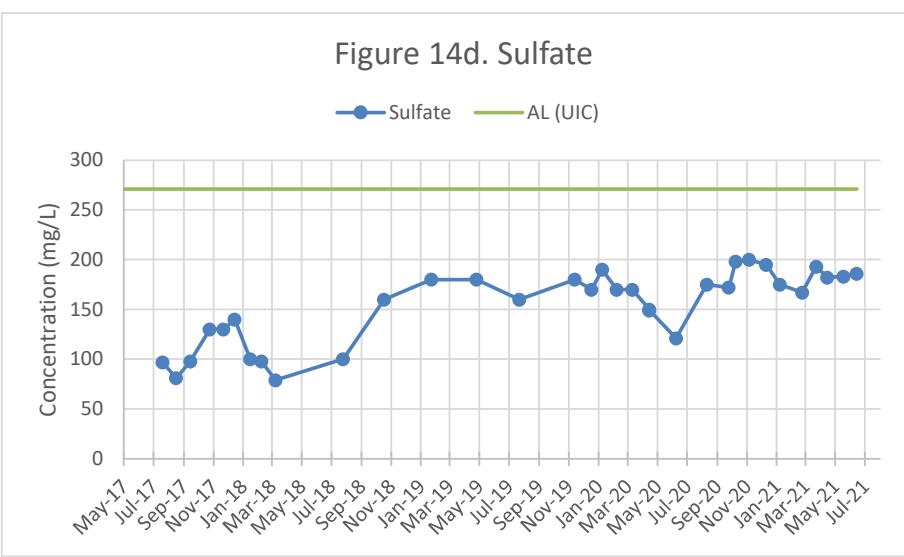
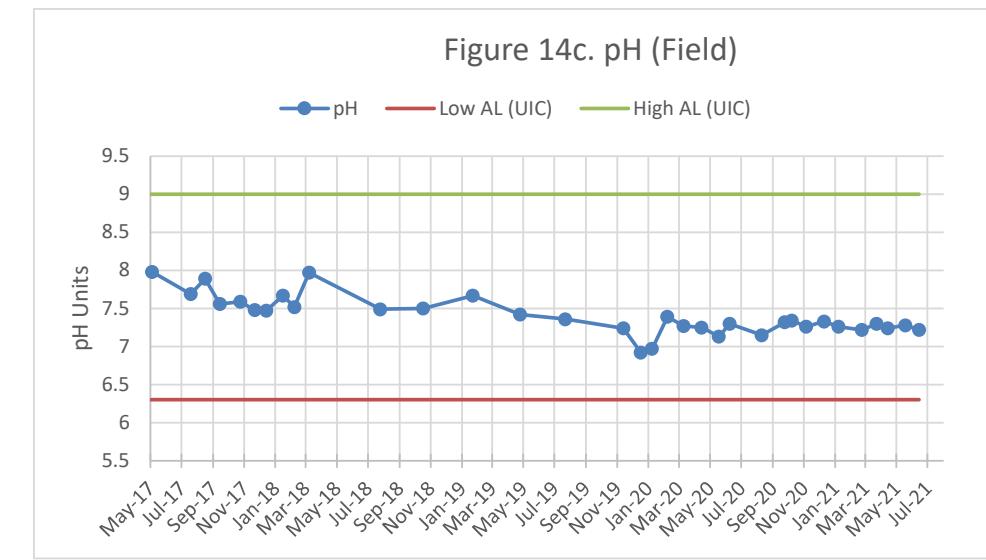
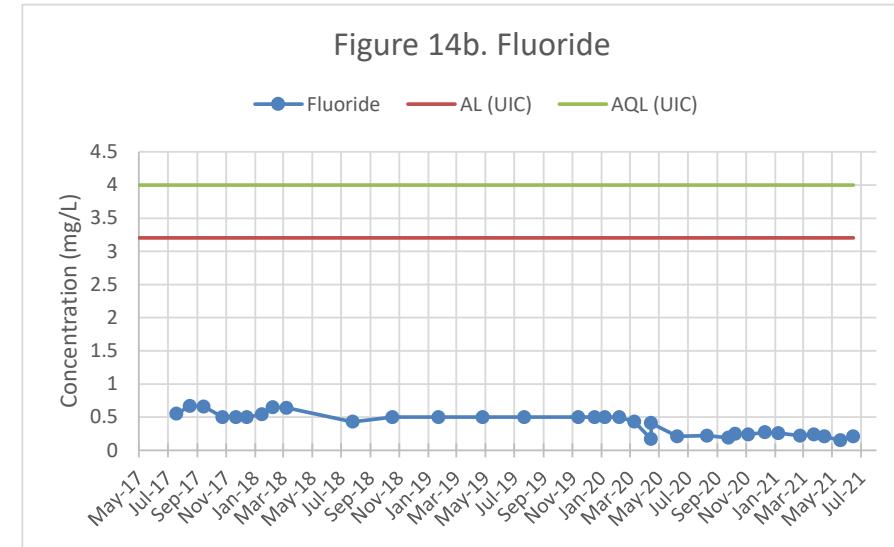
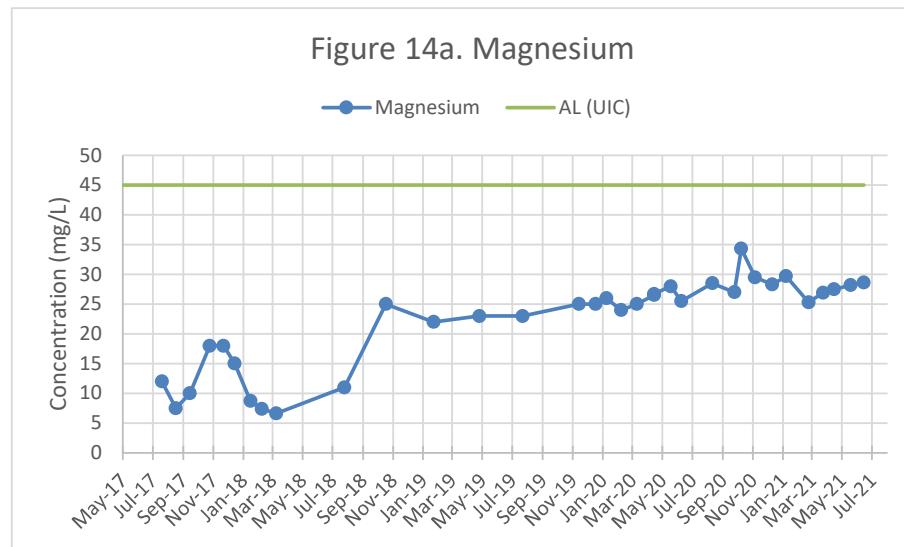
**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M60-O QUARTERLY CONCENTRATION GRAPHS



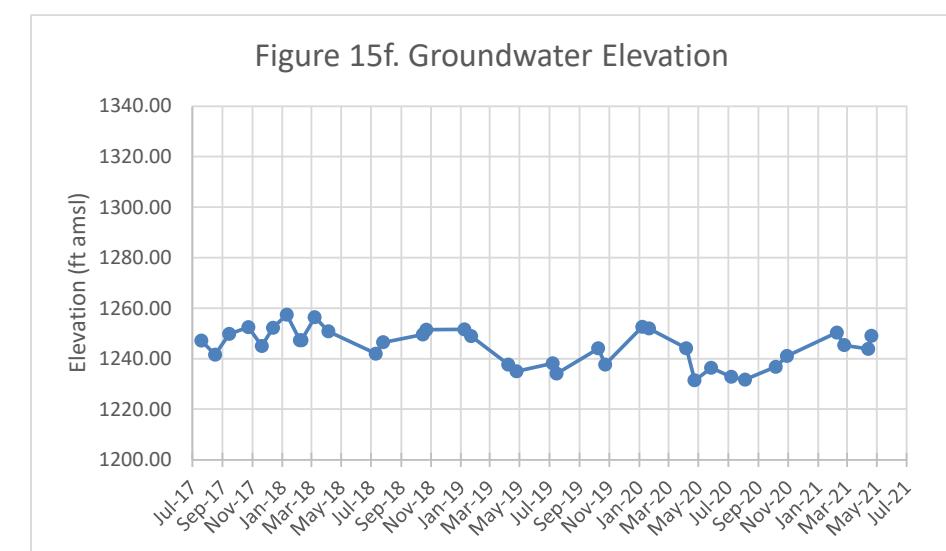
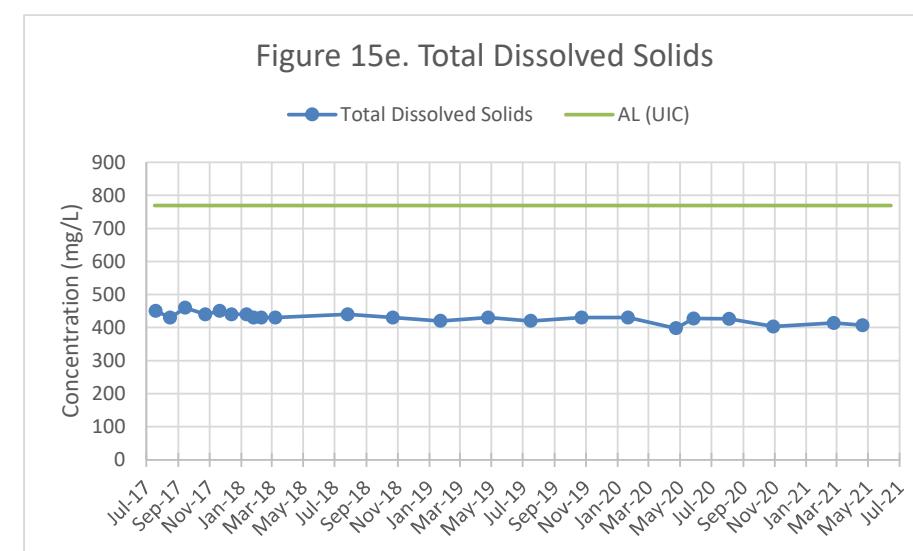
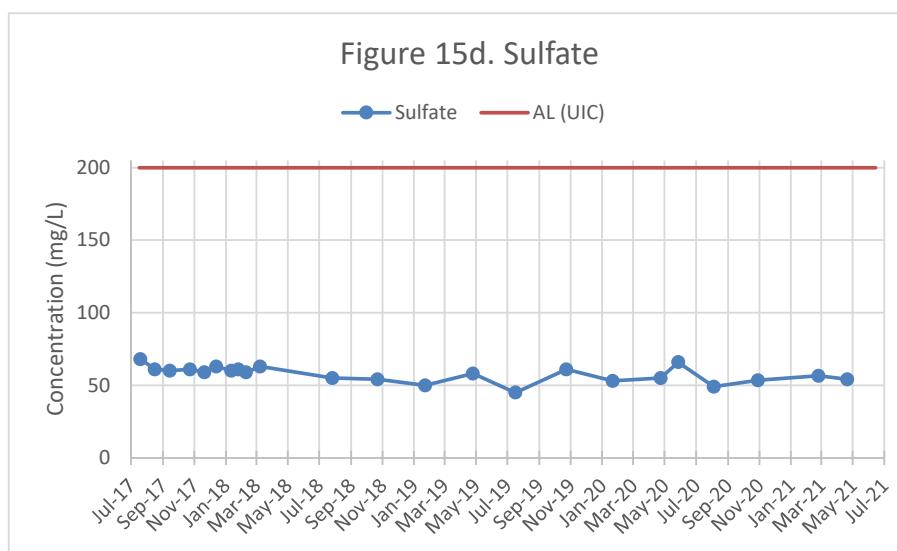
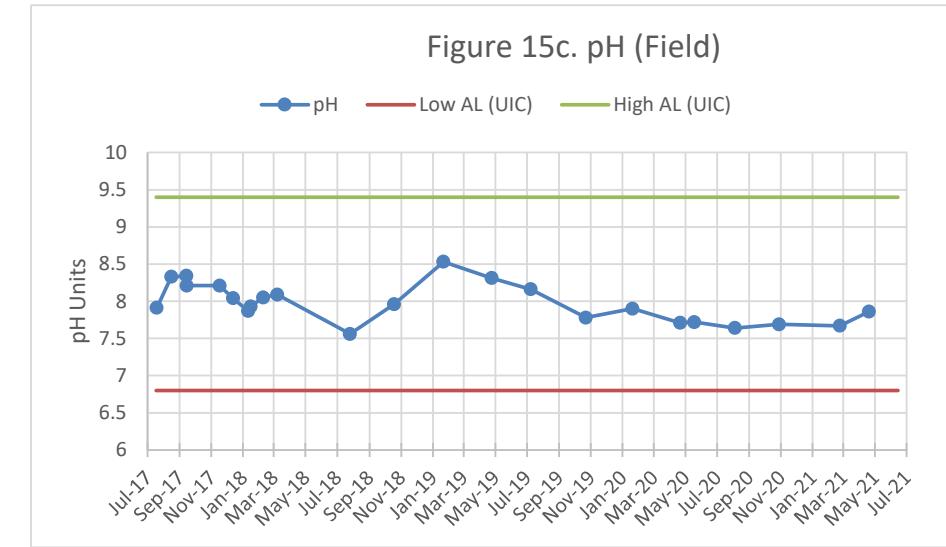
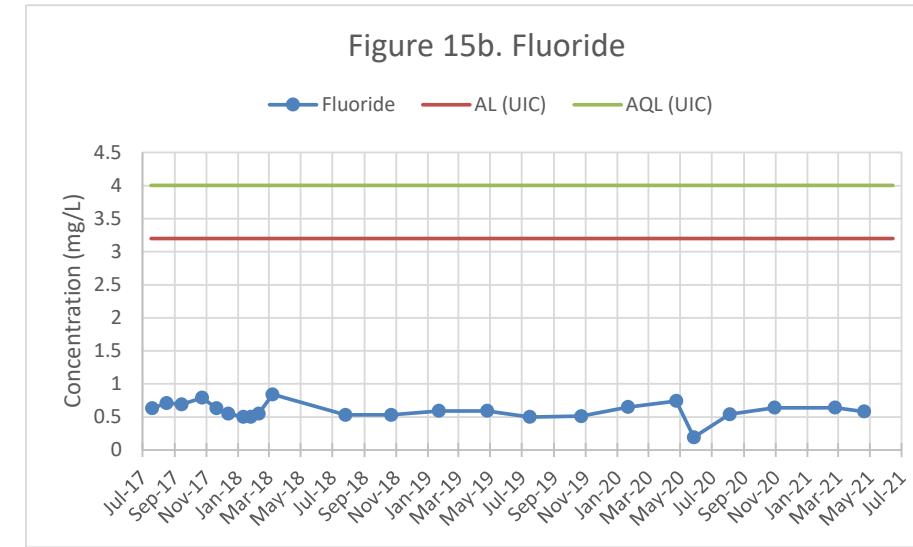
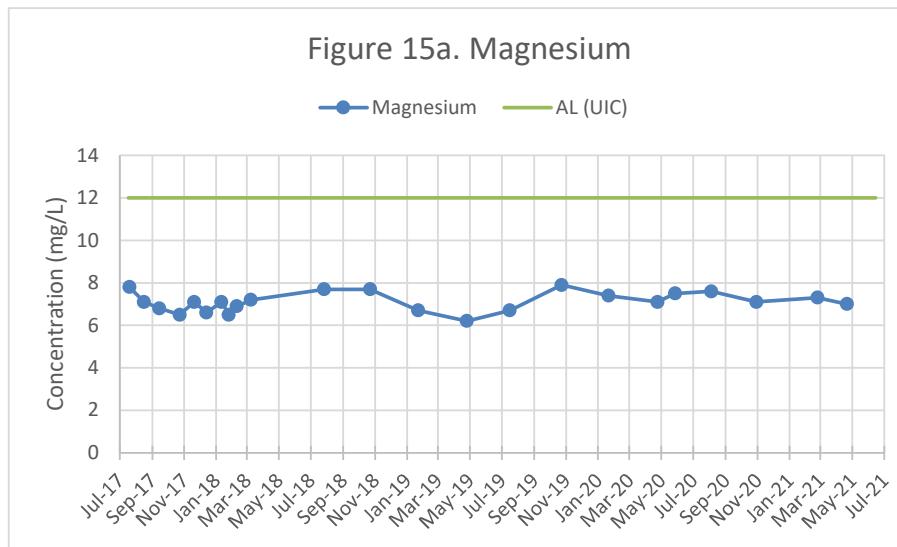
**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## M61-LBF QUARTERLY CONCENTRATION GRAPHS



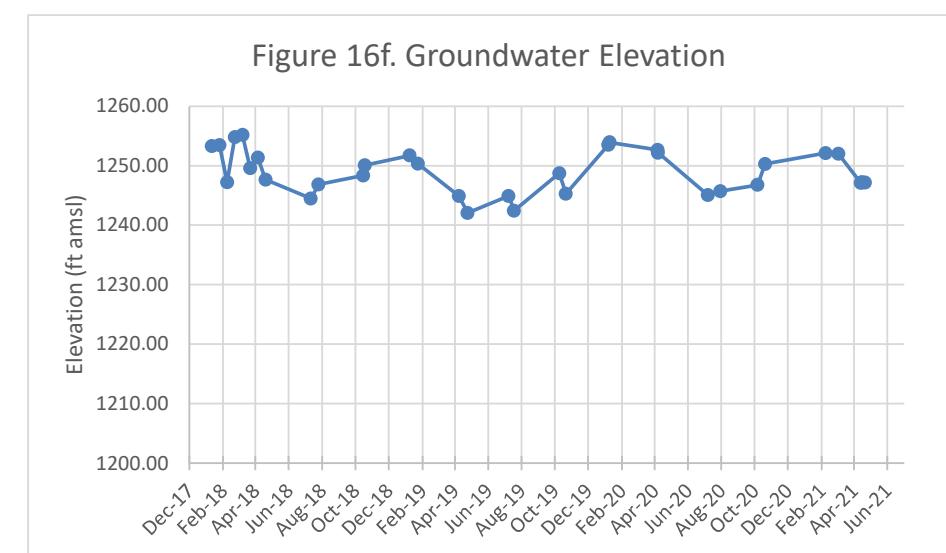
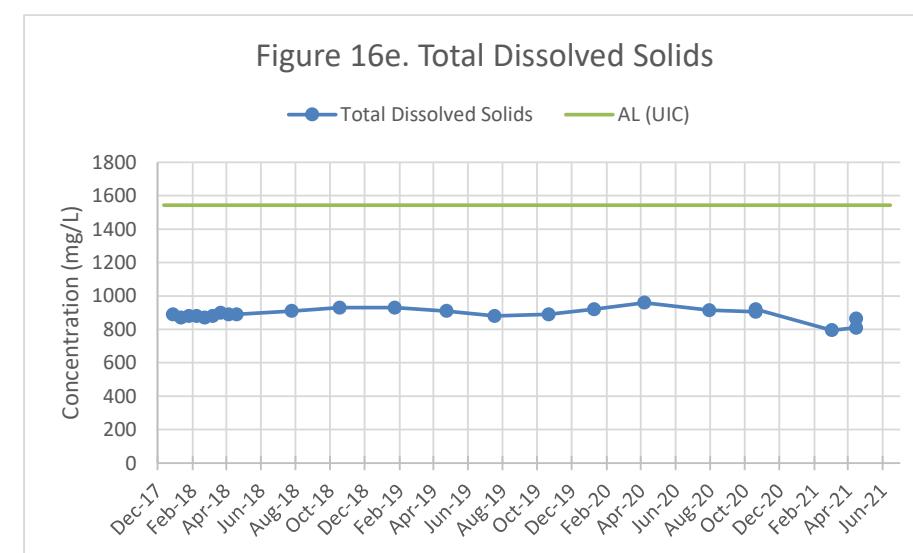
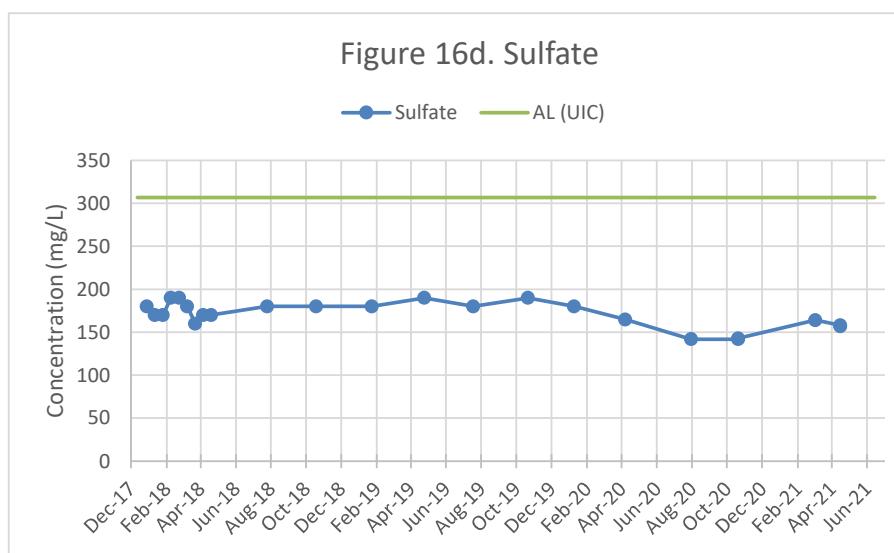
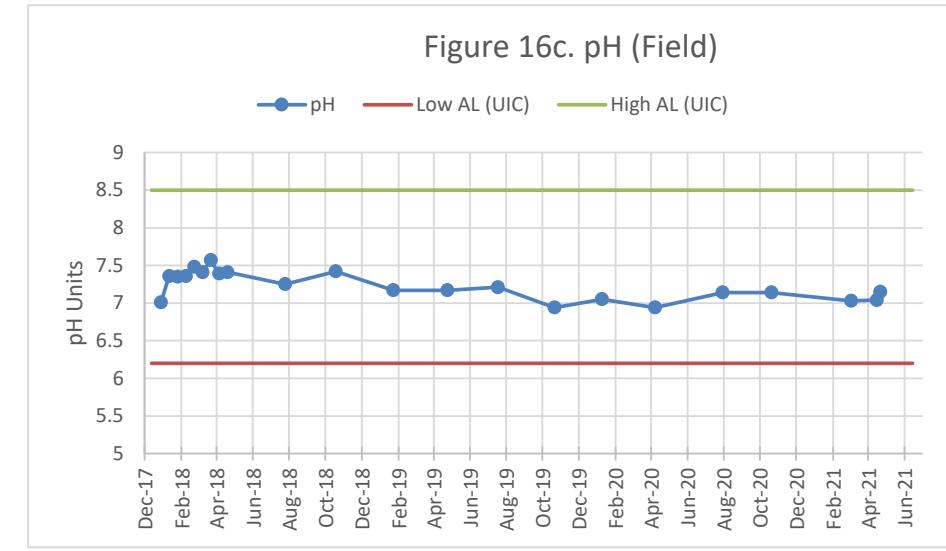
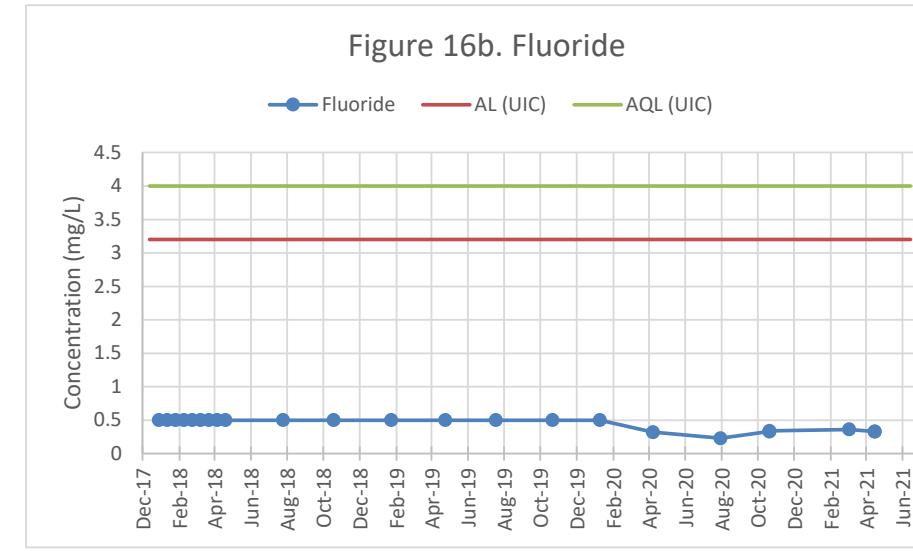
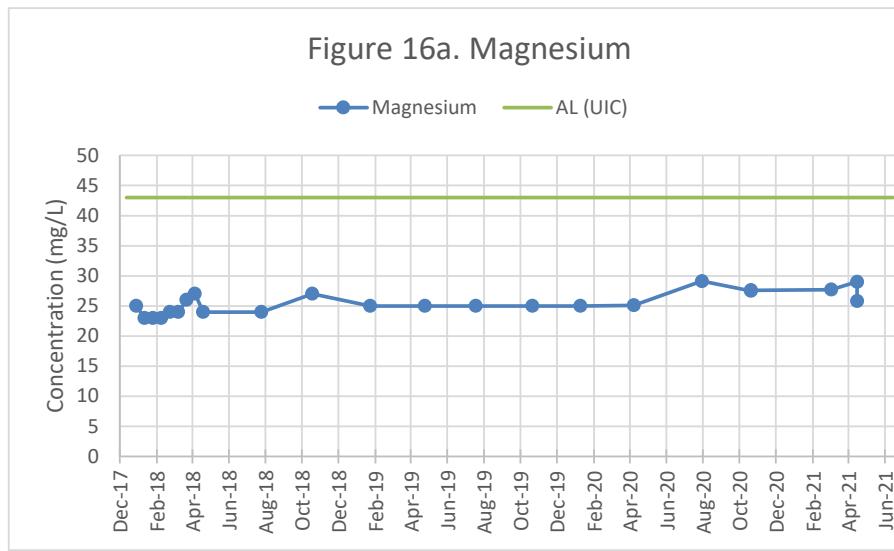
**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## MW-01-LBF QUARTERLY CONCENTRATION GRAPHS



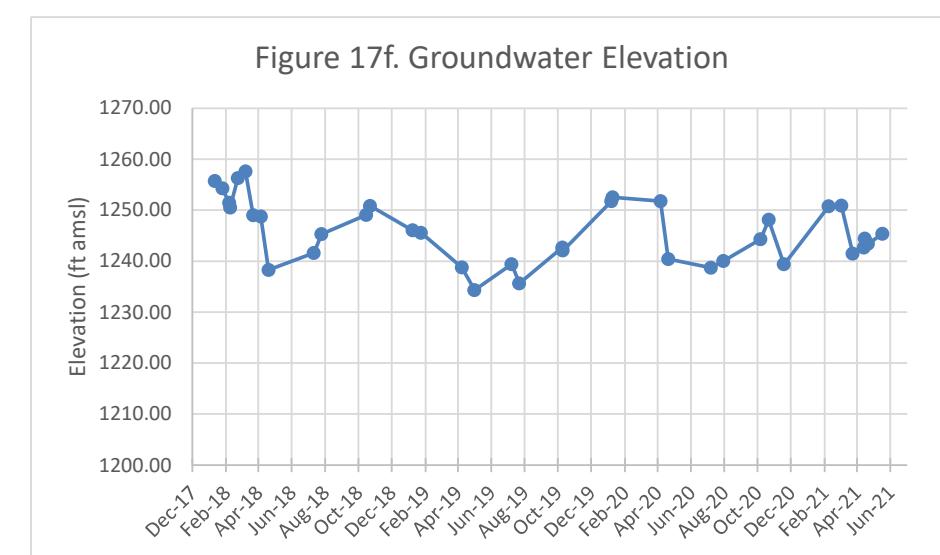
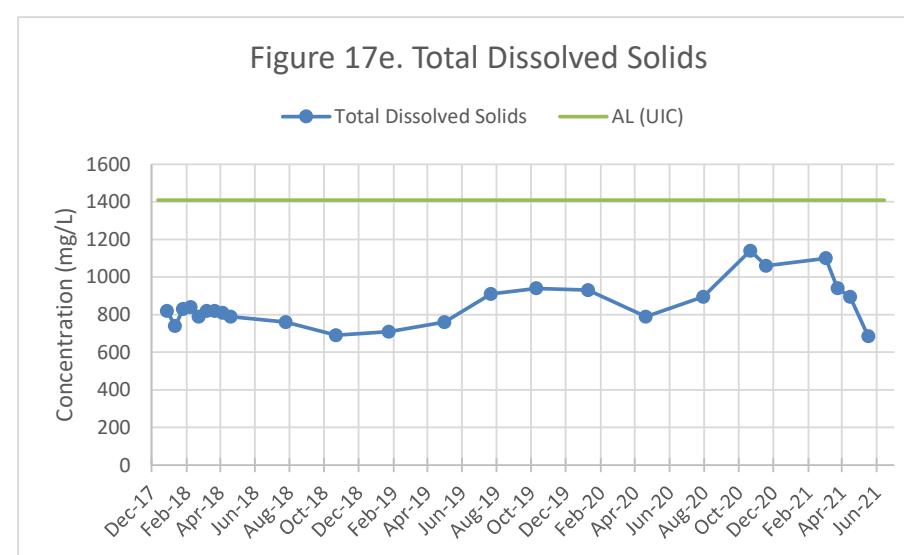
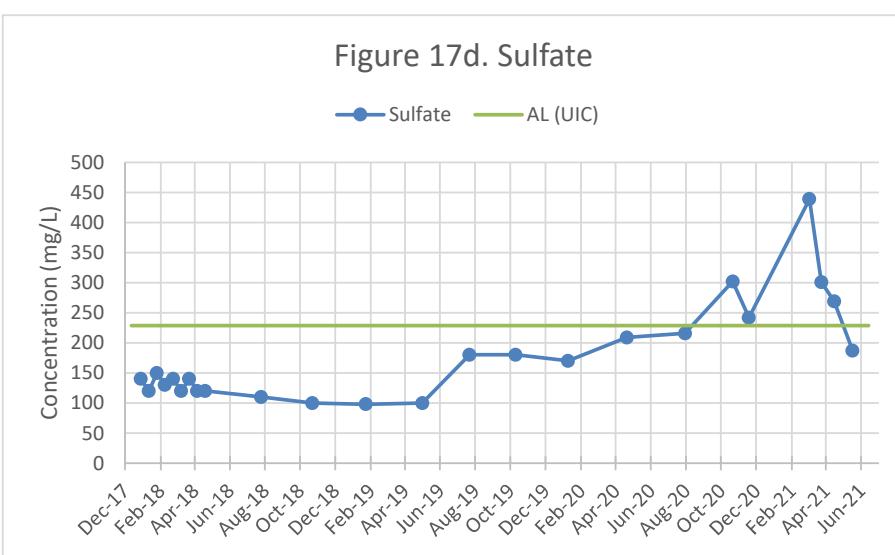
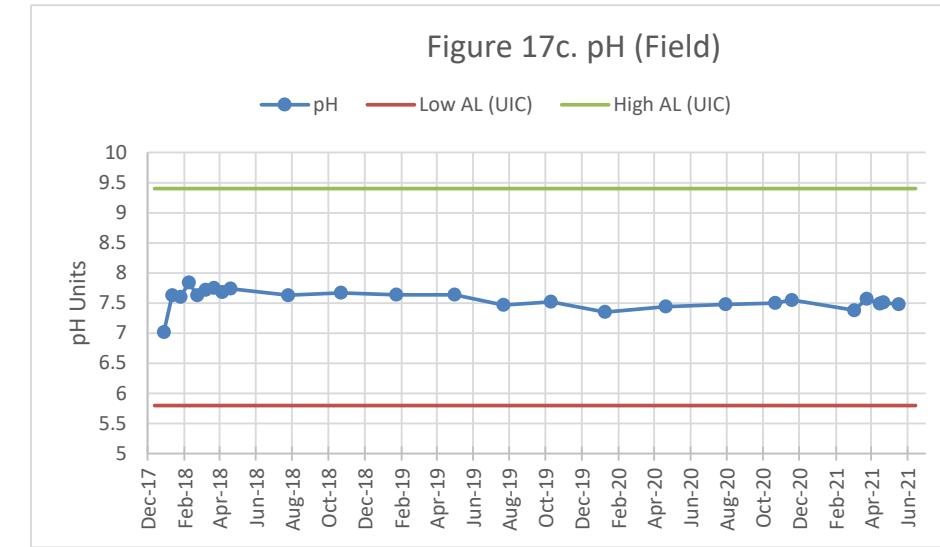
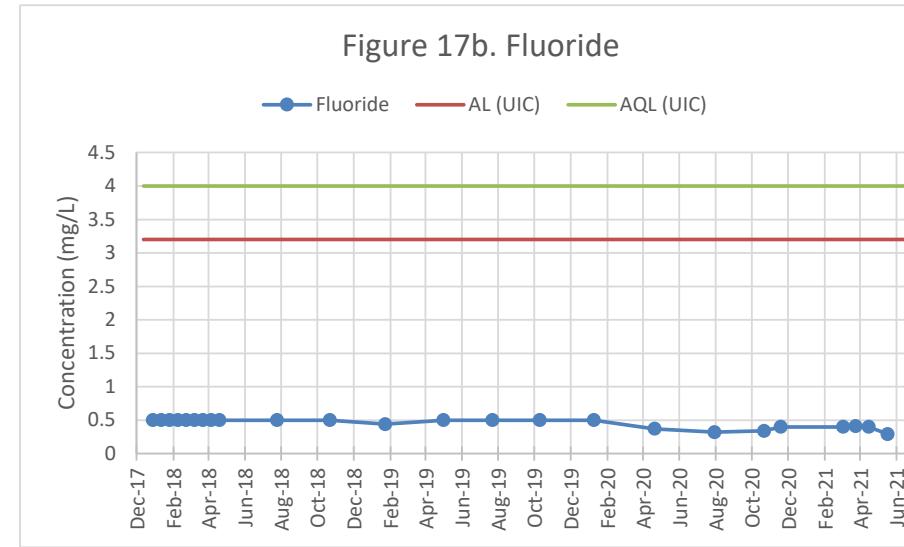
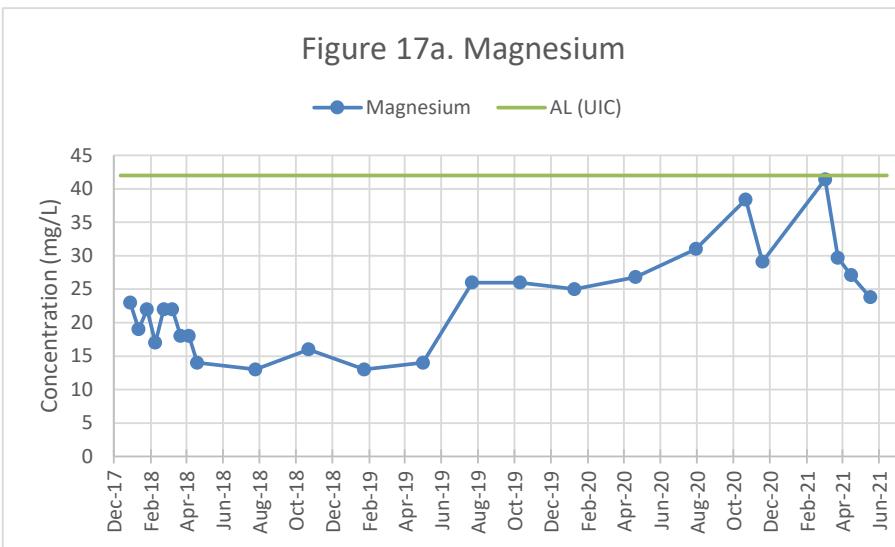
**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

## MW-01-O QUARTERLY CONCENTRATION GRAPHS



**Notes:**

AL = Alert level

AQL = Aquifer Quality Limit

UIC = UIC Permit No. R9UIC-AZ3-FY11-1

**ATTACHMENT 6B**

**Well Details and Water Level Elevations**

**TABLE 1**  
**UIC MONITORING WELL DETAILS**  
FLORENCE COPPER INC.  
FLORENCE, ARIZONA

| Well ID                                  | Well Type   | ADWR #    | Total Well Depth (ft bgs) | Latitude        | Longitude        | Screened Interval (ft bgs) | Aquifer Unit |
|--|-------------|-----------|---------------------------|-----------------|------------------|----------------------------|--------------|
| M14-GL                                   | POC         | 55-549172 | 838                       | 33°03'4.0"N     | 111°26'15.77"W   | 778-838                    | LBFU         |
| M15-GU                                   | POC         | 55-547813 | 594                       | 33°03'4.04"N    | 111°26'16.40"W   | 554-594                    | LBFU         |
| M22-O                                    | POC         | 55-555831 | 1,130                     | 33°03'4.53"N    | 111°26'15.76"W   | 932-1,130                  | OXIDE        |
| M23-UBF                                  | POC         | 55-555824 | 250                       | 33°03'4.51"N    | 111°26'16.50"W   | 210-250                    | UBFU         |
| M54-LBF                                  | POC         | 55-226792 | 629                       | 33°03'7.07"N    | 111°26'9.29"W    | 310-629                    | LBFU         |
| M54-O                                    | POC         | 55-226798 | 1,199                     | 33°03'6.91"N    | 111°26'9.22"W    | 668-1,199                  | OXIDE        |
| M52-UBF                                  | POC         | 55-226788 | 274                       | 33°03'11.03"N   | 111°25'24.66"W   | 200-274                    | UBFU         |
| M55-UBF                                  | Monitor     | 55-226797 | 261                       | 33°03'1.99"N    | 111°26'6.18"W    | 240-261                    | UBFU         |
| M56-LBF                                  | Monitor     | 55-226795 | 340                       | 33°03'2.21"N    | 111°26'6.44"W    | 320-340                    | LBFU         |
| M57-O                                    | Monitor     | 55-226790 | 1,200                     | 33°03'1.88"N    | 111°26'8.39"W    | 523-1,200                  | OXIDE        |
| M58-O                                    | Monitor     | 55-226794 | 1,200                     | 33°03'5.20"N    | 111°26'4.94"W    | 594-1,200                  | OXIDE        |
| M59-O                                    | Monitor     | 55-226791 | 1,200                     | 33°03'1.58"N    | 111°26'2.25"W    | 534-1,200                  | OXIDE        |
| M60-O                                    | Monitor     | 55-226796 | 1,201                     | 33°02'58.70"N   | 111°26'5.78"W    | 444-1,201                  | OXIDE        |
| M61-LBF                                  | Monitor     | 55-226799 | 630                       | 33°03'0.85"N    | 111°25'58.92"W   | 429-630                    | LBFU         |
| MW-01-LBF                                | Operational | 55-226789 | 440                       | 33°03'02.9442"N | 111°26'07.1046"W | 330-440                    | LBFU         |
| MW-01-O                                  | Operational | 55-226793 | 1,200                     | 33°03'03.045"N  | 111°26'06.9786"W | 500-1,200                  | OXIDE        |
| <b>New Wells Constructed or Replaced</b> |             |           |                           |                 |                  |                            |              |
| M57R-O                                   | Monitor     | 55-229751 | 1,200                     | 33°03'0.31"N    | 111°26'8.16"W    | 550-1,200                  | OXIDE        |

**Notes:**

ADWR = Arizona Department of Water Resources

APP = Aquifer Protection Permit

ft bgs = feet below ground surface

LBFU = lower basin fill unit

POC = point of compliance

UBFU = upper basin fill unit

UIC = Underground Injection Control

**TABLE 2**  
**SUMMARY OF QUARTERLY WATER LEVELS**  
**FLORENCE COPPER INC.**  
**FLORENCE, ARIZONA**

| Location ID                             | Date       | Depth to Water<br>(feet) | Description of<br>Measuring Point | Elevation of Measuring<br>Point<br>(feet amsl) | Water Level Elevation<br>(feet amsl) |
|---|------------|--------------------------|-----------------------------------|--|--------------------------------------|
| M14-GL                                  | 04/13/2021 | NM                       | TOC                               | 1477.12  | NM                                   |
| M14-GL                                  | 05/06/2021 | 239.90                   | TOC                               | 1477.12  | 1237.22                              |
| M15-GU                                  | 04/13/2021 | 230.81                   | TOC                               | 1476.53  | 1245.72                              |
| M15-GU                                  | 05/06/2021 | 238.39                   | TOC                               | 1476.53  | 1238.14                              |
| M15-GU                                  | 05/12/2021 | 237.68                   | TOC                               | 1476.53  | 1238.85                              |
| M22-O                                   | 04/13/2021 | 235.33                   | TOM                               | 1478.58  | 1243.25                              |
| M22-O                                   | 04/22/2021 | 234.28                   | TOM                               | 1478.58  | 1244.30                              |
| M23-UBF                                 | 04/13/2021 | 219.65                   | TOM                               | 1477.61  | 1257.96                              |
| M23-UBF                                 | 05/06/2021 | 220.05                   | TOM                               | 1477.61  | 1257.56                              |
| M23-UBF                                 | 05/12/2021 | 220.18                   | TOM                               | 1477.61  | 1257.43                              |
| M52-UBF                                 | 04/13/2021 | 231.30                   | TOC                               | 1485.04  | 1253.74                              |
| M52-UBF                                 | 04/21/2021 | 231.51                   | TOC                               | 1485.04  | 1253.53                              |
| M54-LBF                                 | 04/13/2021 | 234.33                   | TOC                               | 1481.92  | 1247.59                              |
| M54-LBF                                 | 04/20/2021 | 234.73                   | TOC                               | 1481.92  | 1247.19                              |
| M54-O                                   | 04/13/2021 | 238.33                   | TOC                               | 1482.47  | 1244.14                              |
| M54-O                                   | 04/20/2021 | 236.34                   | TOC                               | 1482.47  | 1246.13                              |
| M55-UBF                                 | 04/13/2021 | 228.78                   | TOC                               | 1479.14  | 1250.36                              |
| M55-UBF                                 | 04/19/2021 | 228.70                   | TOC                               | 1479.14  | 1250.44                              |
| M55-UBF                                 | 05/17/2021 | 229.07                   | TOC                               | 1479.14  | 1250.07                              |
| M56-LBF                                 | 04/13/2021 | 231.98                   | TOC                               | 1478.65  | 1246.67                              |
| M56-LBF                                 | 04/19/2021 | 231.01                   | TOC                               | 1478.65  | 1247.64                              |
| M56-LBF                                 | 05/17/2021 | 231.63                   | TOC                               | 1478.65  | 1247.02                              |
| M57-O                                   | 04/13/2021 | 236.84                   | TOC                               | 1478.71  | 1241.87                              |
| M57-O                                   | 04/15/2021 | 234.44                   | TOC                               | 1478.71  | 1244.27                              |
| M57R-O                                  | 04/13/2021 | 235.54                   | TOC                               | 1478.29  | 1242.75                              |
| M57R-O                                  | 04/20/2021 | 234.55                   | TOC                               | 1478.29  | 1243.74                              |
| M57R-O                                  | 06/01/2021 | 243.20                   | TOC                               | 1478.29  | 1235.09                              |
| M58-O                                   | 04/13/2021 | 237.10                   | TOC                               | 1482.08  | 1244.98                              |
| M58-O                                   | 04/19/2021 | 234.52                   | TOC                               | 1482.08  | 1247.56                              |
| M58-O                                   | 05/17/2021 | 235.21                   | TOC                               | 1482.08  | 1246.87                              |
| M59-O                                   | 04/13/2021 | 239.08                   | TOC                               | 1480.19  | 1241.11                              |
| M59-O                                   | 04/14/2021 | 236.77                   | TOC                               | 1480.19  | 1243.42                              |
| M59-O                                   | 05/19/2021 | 237.22                   | TOC                               | 1480.19  | 1242.97                              |
| M59-O                                   | 06/01/2021 | 245.98                   | TOC                               | 1480.19  | 1234.21                              |
| M60-O                                   | 04/13/2021 | 233.38                   | TOC                               | 1477.36  | 1243.98                              |
| M60-O                                   | 04/14/2021 | 232.15                   | TOC                               | 1477.36  | 1245.21                              |
| M60-O                                   | 05/18/2021 | 231.69                   | TOC                               | 1477.36  | 1245.67                              |
| M60-O                                   | 06/14/2021 | 233.95                   | TOC                               | 1477.36  | 1243.41                              |
| M61-LBF                                 | 04/13/2021 | 236.91                   | TOC                               | 1480.78  | 1243.87                              |
| M61-LBF                                 | 04/20/2021 | 231.70                   | TOC                               | 1480.78  | 1249.08                              |
| MW-01-LBF                               | 04/13/2021 | 231.82                   | TOC                               | 1478.92  | 1247.10                              |
| MW-01-LBF                               | 04/15/2021 | 231.70                   | TOC                               | 1478.92  | 1247.22                              |
| MW-01-LBF                               | 04/21/2021 | 231.75                   | TOC                               | 1478.92  | 1247.17                              |
| MW-01-O                                 | 04/13/2021 | 236.40                   | TOC                               | 1479.07  | 1242.67                              |
| MW-01-O                                 | 04/15/2021 | 234.63                   | TOC                               | 1479.07  | 1244.44                              |
| MW-01-O                                 | 04/21/2021 | 235.68                   | TOC                               | 1479.07  | 1243.39                              |
| MW-01-O                                 | 05/17/2021 | 233.69                   | TOC                               | 1479.07  | 1245.38                              |
| Mine Shaft                              | 04/13/2021 | 233.41                   |                                   | 1480.40  | 1246.99                              |
| <b>Status of Local Production Wells</b> |            |                          |                                   |  |                                      |
| BIA-9R                                  | 04/13/2021 |                          |                                   | Not Pumping                                    |                                      |
| BIA-10                                  | 04/13/2021 |                          |                                   | Not Pumping                                    |                                      |
| PW2-1                                   | 04/13/2021 |                          |                                   | Pumping  |                                      |
| WW-4                                    | 04/13/2021 |                          |                                   | Not Pumping                                    |                                      |

**Notes:**

amsl = above mean sea level

NM = not measured

TOC = top of casing

TOM = top of monument

TOS = top of stickup

**ATTACHMENT 6C**

**Groundwater Monitoring Summary**

**TECHNICAL MEMORANDUM**

28 July 2021  
File No. 133887-010

TO: Florence Copper Inc.  
Brent Berg, General Manager

FROM: Haley & Aldrich, Inc.  
Laura Menken, R.G., Technical Specialist  
Mark Nicholls, R.G., Lead Hydrogeologist

SUBJECT: Florence Copper Project, Quarterly Compliance Monitoring Report  
Underground Injection Control Permit, Second Quarter 2021



Haley & Aldrich, Inc. has prepared this memorandum to present the results of the quarterly compliance groundwater monitoring conducted during the second quarter (Q2) 2021 at the Florence Copper Project. The Florence Copper Project is subject to two related permits issued by the Arizona Department of Environmental Quality (ADEQ) and the U.S. Environmental Protection Agency (USEPA).

**Aquifer Protection Permit (APP) Covering the 1997-98 BHP Pilot Facilities and Future Operations:**

- ADEQ APP No. P-101704 (LTF 88973) dated 30 April 2021.

**Underground Injection Control (UIC) Permit Covering the Current Production Test Facility:**

- USEPA UIC Permit No. R9UIC-AZ3-FY11-1 dated 20 December 2016.

This report presents the results of the Q2 2021 groundwater monitoring activities required by the UIC permit.

**Sampling Activities**

During Q2 2021, monitoring was conducted at 16 point of compliance, monitoring, and supplemental wells. Water levels were collected on 13 April 2021, and quarterly groundwater sampling was conducted between 14 April and 14 June 2021. Groundwater sampling and analysis was conducted in accordance with the requirements of Part II.F of the UIC permit.

The majority of the monitoring wells are equipped with low-flow bladder pumps. Low-flow sampling was conducted in accordance with Section 2.5.3 of the APP. Wells M14-GL and M22-O were equipped with stainless steel electric submersible pumps and were sampled by purging a minimum of three borehole volumes. No modified sampling procedures were used.

Each sample was labeled, placed in a cooler with ice, maintained at 4 degrees Celsius ( $^{\circ}\text{C}$ )  $\pm 2^{\circ}\text{C}$ , and transported under chain of custody to Pace Analytical (Pace) for analysis. Samples were analyzed for the quarterly (Level 1) and semi-annual (Level 2) monitoring parameters in Table 1 and 2 of the UIC permit. Sample containers collected for radiological parameter analysis were labeled and transported under chain of custody directly to Radiation Safety Engineering, Inc., who performed the analyses as a subcontractor to the primary laboratory. Note that uranium activity and adjusted gross alpha are analyzed and reported only when gross alpha results exceed 12 picocuries per liter (pCi/L).

Florence Copper Inc. (Florence Copper) has elected to monitor three wells for select analytes on a more frequent basis. Additional monitoring of wells M59-O, M60-O, and MW-01-O was performed during Q2 2021. Samples were analyzed for quarterly (Level 1) monitoring parameters. Wells M59-O and M60-O were also analyzed for additional radiological parameters as discussed further below. One verification sample was also collected for M57R-O, related to potential exceedances.

## Results

The results of the Q2 2021 monitoring event are presented in Tables 1 through 5 as follows:

- Table 1 – Q2 2021 Field Parameters<sup>1</sup>;
- Table 2 – Q2 2021 Quarterly (Level 1) Analytical Parameters;
- Table 3 – Q2 2021 Inorganic Parameters;
- Table 4 – Q2 2021 Radionuclide Parameters;
- Table 5 – Q2 2021 Organic Parameters; and
- Table 6 – Q2 2021 Trace Metals.

The Q2 2021 results were compared to the alert levels (AL) and Aquifer Quality Limits (AQL) listed in the applicable tables in Appendix K of the UIC permit and Table 4B of the document submitted to the USEPA dated 12 December 2018 and entitled *Procedures for Determining Alert Levels and Aquifer Quality Limits for Groundwater Compliance Monitoring*.

A quality assurance/quality control summary of the Q2 2021 data is provided in Appendix A.

---

<sup>1</sup> Note that turbidity was monitored as a field parameter in addition to field pH, temperature, and specific conductance, but is not required by the APP or UIC permit and is therefore not reported.

## Q2 2021 AL AND AQL EXCEEDANCES

The following proposed AL exceedances occurred in Q2 2021 and are described in more detail under the *Contingency Sampling Plans* section.

| Well  | AL Exceedance                         | Current Status                         |
|---|---------------------------------------|--|
| M57R-O  | Cobalt<br>Sulfate<br>Magnesium<br>TDS | Voluntary quarterly monitoring ongoing |
| <b>Note:</b><br><i>TDS = total dissolved solids</i> |                                       |  |

The following AL exceedances occurred in Q2 2021 and are described in more detail under the *Contingency Sampling Plans* section.

| Well   | AL Exceedance  | Current Status                       |
|--|--|--------------------------------------|
| M59-O  | Magnesium<br>Sulfate<br>TDS<br>Total Uranium<br>Adjusted gross alpha<br>Gross alpha*<br>Gross beta<br>Radium 226 & 228 | Voluntary monthly monitoring ongoing |
| M60-O  | Adjusted gross alpha<br>Radon  | Voluntary monthly monitoring ongoing |
| <b>Note:</b><br><i>Florence Copper has elected to monitor select analytes on a more frequent basis.</i><br><i>* There is no AL for gross alpha in the UIC Permit</i> |  |                                      |

The following AQL exceedances occurred in Q2 2021 and are described in more detail under the *Contingency Sampling Plans* section.

| Well  | AQL Exceedance                               |
|-------|--|
| M59-O | Adjusted gross alpha<br>Gross beta<br>Radium |
| M60-O | Adjusted gross alpha                         |

## Contingency Sampling Plans

Contingency sampling plan procedures consistent with Part II.H.2 of the UIC permit were implemented during Q2 2021 when initial sample results for three wells indicated one or more potential AL or AQL exceedances.

### M57R-O

Though reporting for monitoring well M57R-O is not currently required under any site operation permit, Florence Copper has been voluntarily sampling well M57R-O on a quarterly basis since April 2020. ALs and AQLs for M57R-O were proposed in 2020.

On 11 May 2021, Florence Copper was notified of a potential exceedance of the proposed UIC AL for cobalt, magnesium, nickel, and sulfate based on the sample taken on 20 April 2021. In accordance with Part II.H.2 of the UIC permit, a verification sample was taken on 1 June 2021. The verification sample confirmed the cobalt and sulfate exceedances, dismissed the nickel exceedance, and introduced new magnesium and total dissolved solids (TDS) exceedances. Results are described in the Tables 2 and 6.

As discussed above, well M57R-O is not included in permit-required reporting; as such, no further action was taken. A quarterly sample is scheduled to be collected in Q3 2021.

### M59-O

Temporary APP No. P-106360 (LTF 80030) dated 13 February 2020 (Temporary APP) expired on 14 December 2020 and was confirmed to be no longer in effect through an ADEQ letter dated 12 February 2021. During fourth quarter (Q4) 2020, while the Temporary APP was still active, sampling frequency was increased to monthly in accordance with Section 2.6.2.4.1 for magnesium, sulfate, TDS, uranium, gross beta, adjusted gross alpha, and radium 226+228. Monthly sampling was scheduled to begin in February 2021. As of first quarter (Q1) 2021, M59-O is only monitored under the UIC permit. Since sampling frequency was increased to monthly sampling under the Temporary APP but was not resolved before its expiration, Florence Copper has elected to continue monitoring these analytes monthly.

On 6 May 2021, Florence Copper notified the USEPA that M59-O will continue to be monitored monthly and reported within 30 days of receiving the monthly monitoring results.

Well M59-O was sampled on 14 April, 19 May, and 1 June 2021. Results and exceedances are provided in the table below. All other parameters were below their respective ALs in each sample.

| Results for Well M59-O |                      |                         |            |            |
|------------------------|----------------------|-------------------------|------------|------------|
| Date                   | Parameter            | Result                  | UIC AL     | UIC AQL    |
| 14 April 2021          | Adjusted gross alpha | <b>18.1 ± 1.2 pCi/L</b> | 15.8 pCi/L | 15.8 pCi/L |
| 19 May 2021            |                      | <b>49.1 ± 2.1 pCi/L</b> | 15.8 pCi/L | 15.8 pCi/L |
| 1 June 2021            |                      | <b>57.3 ± 2.9 pCi/L</b> | 15.8 pCi/L | 15.8 pCi/L |
| 14 April 2021          | Gross beta           | <b>19.6 ± 1.9 pCi/L</b> | 16 pCi/L   | 16 pCi/L   |
| 19 May 2021            |                      | <b>52.1 ± 3.3 pCi/L</b> | 16 pCi/L   | 16 pCi/L   |
| 1 June 2021            |                      | <b>36.9 ± 2.9 pCi/L</b> | 16 pCi/L   | 16 pCi/L   |
| 14 April 2021          | Magnesium            | 19.8 mg/L               | 23 mg/L    | No AQL     |
| 19 May 2021            |                      | <b>65.6 mg/L</b>        | 23 mg/L    | No AQL     |
| 1 June 2021            |                      | <b>59.8 mg/L</b>        | 23 mg/L    | No AQL     |
| 14 April 2021          | Radium 226 & 228     | <b>10.9 ± 0.7 pCi/L</b> | 6.9 pCi/L  | 6.9 pCi/L  |
| 19 May 2021            |                      | <b>18.0 ± 0.8 pCi/L</b> | 6.9 pCi/L  | 6.9 pCi/L  |
| 1 June 2021            |                      | <b>13.6 ± 0.7 pCi/L</b> | 6.9 pCi/L  | 6.9 pCi/L  |
| 14 April 2021          | Sulfate              | <b>249 mg/L</b>         | 202 mg/L   | No AQL     |
| 19 May 2021            |                      | <b>999 mg/L</b>         | 202 mg/L   | No AQL     |
| 1 June 2021            |                      | <b>850 mg/L</b>         | 202 mg/L   | No AQL     |
| 14 April 2021          | TDS                  | 780 mg/L                | 854 mg/L   | No AQL     |
| 19 May 2021            |                      | <b>2,010 mg/L</b>       | 854 mg/L   | No AQL     |
| 1 June 2021            |                      | <b>1,900 mg/L</b>       | 854 mg/L   | No AQL     |

**Notes:**

|                             |                                     |
|-----------------------------|-------------------------------------|
| <b>Bold</b> = Exceedances   | pCi/L = picocuries per liter        |
| AL = alert level            | TDS = total dissolved solids        |
| AQL = aquifer quality limit | UIC = Underground Injection Control |
| mg/L = milligrams per liter |                                     |

In response to the results, Florence Copper:

- Submitted a 30-day report on 6 May 2021 for the 14 April 2021 sample; and
- Submitted a monthly update on 23 June 2021 for the 19 May 2021 sample.

Florence Copper will continue voluntary monthly sampling and reporting until all analytes are below the ALs and AQLs.

## M60-O

Monthly monitoring of gross alpha at well M60-O began in January 2020 due to a Temporary APP AL exceedance of gross alpha confirmed in Q4 2019. The Temporary APP expired on 14 December 2020 and was confirmed to be no longer in effect through an ADEQ letter dated 12 February 2021. As of Q1 2021, M60-O is only permitted under the UIC permit. Since sampling frequency was increased to monthly sampling under the Temporary APP, but was not resolved before its expiration, Florence Copper has elected to continue monitoring on a more frequent basis.

On 3 June 2021, Florence Copper notified the USEPA that well M60-O will continue to be monitored monthly and reported within 30 days of receiving the monthly monitoring results.

A quarterly sample was collected in conjunction with the monthly sample on 14 April 2021. Adjusted gross alpha and radon exceeded their respective UIC ALs and AQLs. Due to the new radon exceedance, radon has been added to the monthly monitoring for M60-O. Monthly samples were also collected on 18 May and 14 June 2021. Results and exceedances are provided in the table below. All other parameters were below their respective ALs in each sample.

| Results for Well M60-O |                      |   |             |             |
|------------------------|----------------------|---|-------------|-------------|
| Date                   | Parameter            | Result  | UIC AL      | UIC AQL     |
| 14-Apr-21              | Adjusted Gross Alpha | <b><math>22.2 \pm 2.5 \text{ pCi/L}</math></b>      | 17.4 pCi/L  | 17.4 pCi/L  |
| 18-May-21              |                      | $11.4 \pm 2.6 \text{ pCi/L}$                        | 17.4 pCi/L  | 17.4 pCi/L  |
| 14-Jun-21              |                      | <b><math>27.1 \pm 2.6 \text{ pCi/L}</math></b>      | 17.4 pCi/L  | 17.4 pCi/L  |
| 14-Apr-21              | Radon                | <b><math>3,073.6 \pm 308.1 \text{ pCi/L}</math></b> | 2,480 pCi/L | 2,480 pCi/L |
| 18-May-21              |                      | <b><math>9,129 \pm 915.6 \text{ pCi/L}</math></b>   | 2,480 pCi/L | 2,480 pCi/L |
| 14-Jun-21              |                      | <b><math>2,985.3 \pm 299.4 \text{ pCi/L}</math></b> | 2,480 pCi/L | 2,480 pCi/L |

**Notes:**

**Bold** = Exceedances      *pCi/L* = picocuries per liter  
*AL* = alert level      *UIC* = Underground Injection Control  
*AQL* = aquifer quality limit

In response to the results, Florence Copper:

- Submitted a 30-day report on 3 June 2021 for the 14 April 2021 sample; and
- Submitted a 30-day report on 1 July 2021 for the 18 May 2021 sample.

Florence Copper will submit a monthly report for the 14 June 2021 sample by 8 August 2021. Florence Copper will continue voluntary monthly monitoring and reporting until all analytes are below the ALs and AQLs.

## MW-01-O

On 6 May 2021, Florence Copper submitted a 30-day report evaluating the cause, impacts, and mitigation of the Q1 2021 sulfate exceedance. In the letter, Florence Copper identified the need to evaluate corrective actions by increasing the sampling frequency from quarterly to monthly.

- A quarterly sample was collected in conjunction with the first monthly sample on 15 April 2021. Sulfate was reported at 269 milligrams per liter (mg/L), above the UIC AL of 229 mg/L; all other parameters were below their respective ALs.
- The May monthly sample was collected on 17 May 2021. Sulfate was reported at 187 mg/L, below the UIC AL of 229 mg/L; all other parameters were below their respective ALs.

These verification samples resolved the potential sulfate issue. A quarterly sample is scheduled to be collected in Q3 2021.

Enclosures:

- Table 1 – Q2 2021 Field Parameters
- Table 2 – Q2 2021 Quarterly (Level 1) Analytical Parameters
- Table 3 – Q2 2021 Inorganic Parameters
- Table 4 – Q2 2021 Radionuclide Parameters
- Table 5 – Q2 2021 Organic Parameters
- Table 6 – Q2 2021 Trace Metals
- Appendix A – Data Quality Assurance/Quality Control Summary Memorandum

## **TABLES**

**TABLE 1**  
**Q2 2021 FIELD PARAMETERS**  
**FLORENCE COPPER INC.**  
**FLORENCE, ARIZONA**

| Location                 | Sample Date | Temperature, Field<br>Deg C | Temperature, Field<br>Deg F | pH, Field<br>pH units | pH Low<br>UIC Alert Level<br>pH units | pH High<br>UIC Alert Level<br>pH units | Specific Conductance, Field<br>µmhos/cm |
|--------------------------|-------------|-----------------------------|-----------------------------|-----------------------|---------------------------------------|--|---|
| M14-GL                   | 05/06/2021  | 27.2                        | 81.0                        | 8.42                  | NE                                    | NE                                     | 836                                     |
| M14-GL <sup>(1)</sup>    | 05/12/2021  | 27.2                        | 81.0                        | 8.31                  | NE                                    | NE                                     | 800                                     |
| M15-GU                   | 05/06/2021  | 23.4                        | 74.1                        | 7.40                  | NE                                    | NE                                     | 1,500                                   |
| M15-GU <sup>(1)</sup>    | 05/12/2021  | 25.1                        | 77.2                        | 7.29                  | NE                                    | NE                                     | 1,442                                   |
| M22-O                    | 04/22/2021  | 28.3                        | 82.9                        | 8.06                  | NE                                    | NE                                     | 815                                     |
| M23-UBF                  | 05/06/2021  | 24.4                        | 75.9                        | 7.05                  | NE                                    | NE                                     | 2,046                                   |
| M23-UBF <sup>(1)</sup>   | 05/12/2021  | 23.7                        | 74.7                        | 6.84                  | NE                                    | NE                                     | 1,952                                   |
| M52-UBF                  | 04/21/2021  | 23.9                        | 75.0                        | 7.18                  | 6.9                                   | 7.9                                    | 1,506                                   |
| M54-LBF                  | 04/20/2021  | 24.5                        | 76.1                        | 7.08                  | 6.5                                   | 8.2                                    | 1,607                                   |
| M54-O                    | 04/20/2021  | 24.6                        | 76.3                        | 7.69                  | 6.8                                   | 9.4                                    | 812                                     |
| M55-UBF                  | 04/19/2021  | 24.2                        | 75.6                        | 7.03                  | 6.6                                   | 7.8                                    | 1,970                                   |
| M55-UBF <sup>(1)</sup>   | 05/17/2021  | 25.4                        | 77.7                        | 7.03                  | 6.6                                   | 7.8                                    | 1,887                                   |
| M56-LBF                  | 04/19/2021  | 24.2                        | 75.6                        | 7.12                  | 6.5                                   | 8.3                                    | 1,611                                   |
| M56-LBF <sup>(1)</sup>   | 05/17/2021  | 25.3                        | 77.5                        | 7.17                  | 6.5                                   | 8.3                                    | 1,674                                   |
| M57-O                    | 04/15/2021  | 26.1                        | 79.0                        | 7.66                  | 7.2                                   | 8.5                                    | 962                                     |
| M57-O <sup>(1)</sup>     | 04/21/2021  | 26.2                        | 79.2                        | 7.69                  | 7.2                                   | 8.5                                    | 977                                     |
| M57R-O                   | 04/20/2021  | 24.7                        | 76.5                        | 8.05                  | 7.2                                   | 8.5                                    | 1,647                                   |
| M57R-O <sup>(2)</sup>    | 06/01/2021  | 24.3                        | 75.7                        | 7.39                  | 7.2                                   | 8.5                                    | 2,079                                   |
| M58-O                    | 04/19/2021  | 24.2                        | 75.6                        | 7.41                  | 6.2                                   | 9.0                                    | 1,746                                   |
| M58-O <sup>(1)</sup>     | 05/17/2021  | 23.9                        | 75.0                        | 7.44                  | 6.2                                   | 9.0                                    | 1,848                                   |
| M59-O                    | 04/14/2021  | 25.4                        | 77.7                        | 7.66                  | 7.0                                   | 8.7                                    | 1,316                                   |
| M59-O <sup>(3)</sup>     | 05/19/2021  | 25.3                        | 77.5                        | 7.46                  | 7.0                                   | 8.7                                    | 2,905                                   |
| M59-O <sup>(3)</sup>     | 06/01/2021  | 26.7                        | 80.1                        | 7.38                  | 7.0                                   | 8.7                                    | 2,682                                   |
| M60-O                    | 04/14/2021  | 24.1                        | 75.4                        | 7.24                  | 6.3                                   | 9.0                                    | 1,571                                   |
| M60-O <sup>(4)</sup>     | 05/18/2021  | 24.3                        | 75.7                        | 7.28                  | 6.3                                   | 9.0                                    | 1,652                                   |
| M60-O <sup>(4)</sup>     | 06/14/2021  | 25.3                        | 77.5                        | 7.22                  | 6.3                                   | 9.0                                    | 1,683                                   |
| M61-LBF                  | 04/20/2021  | 23.5                        | 74.3                        | 7.86                  | 6.8                                   | 9.4                                    | 811                                     |
| MW-01-LBF                | 04/15/2021  | 24.5                        | 76.1                        | 7.04                  | 6.2                                   | 8.5                                    | 1,557                                   |
| MW-01-LBF <sup>(1)</sup> | 04/21/2021  | 25.4                        | 77.7                        | 7.15                  | 6.2                                   | 8.5                                    | 1,616                                   |
| MW-01-O                  | 04/15/2021  | 23.2                        | 73.8                        | 7.49                  | 5.8                                   | 9.4                                    | 1,617                                   |
| MW-01-O <sup>(1)</sup>   | 04/21/2021  | 24.5                        | 76.1                        | 7.51                  | 5.8                                   | 9.4                                    | 1,575                                   |
| MW-01-O <sup>(5)</sup>   | 05/17/2021  | 25.0                        | 77.0                        | 7.48                  | 5.8                                   | 9.4                                    | 1,559                                   |

**Notes:**

(1) Partial resampling due to shipping or laboratory error

(2) Verification sampling conducted on 6/1/2021

(3) Increased frequency monitoring conducted on 5/19/2021 and 6/1/2021

(4) Increased frequency monitoring conducted on 5/18/2021 and 6/14/2021

(5) Increased frequency monitoring conducted on 5/17/2021

µmhos/cm = micromhos per centimeter

Deg C = degrees Celsius

Deg F = degrees Fahrenheit

NE = not established

UIC = Underground Injection Control

TABLE 2

## Q2 2021 QUARTERLY (LEVEL 1) ANALYTICAL PARAMETERS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

| Location ID   | Sample Date | Sample Type | Magnesium, Dissolved |                 | Sulfate       |                 | Fluoride      |                 |         | Total Dissolved Solids (TDS) |                 |
|---|-------------|-------------|----------------------|-----------------|---------------|-----------------|---------------|-----------------|---------|------------------------------|-----------------|
|   |             |             | Concentration        | UIC Alert Level | Concentration | UIC Alert Level | Concentration | UIC Alert Level | UIC AQL | Concentration                | UIC Alert Level |
| M14-GL  | 05/12/2021  | Primary     | <b>2.2</b>           | 23              | <b>56.0</b>   | 144             | <b>0.52</b>   | 3.2             | 4.0     | <b>408</b>                   | 874             |
| M15-GU  | 05/12/2021  | Primary     | <b>26.7</b>          | 44              | <b>86.3</b>   | 126             | <b>0.43</b>   | 3.2             | 4.0     | <b>880</b>                   | 1359            |
| M22-O   | 04/22/2021  | Primary     | <b>6.5</b>           | 8.6             | <b>54.4</b>   | 86              | <b>0.60</b>   | 3.2             | 4.0     | <b>424</b>                   | 1094            |
| M23-UBF   | 05/12/2021  | Primary     | <b>32.1</b>          | 69              | <b>221</b>    | 411             | <b>0.70</b>   | 3.2             | 4.0     | <b>1180</b>                  | 2392            |
| M52-UBF   | 04/21/2021  | Primary     | <b>25.9</b>          | 41              | <b>160</b>    | 316             | <b>0.85</b>   | 3.2             | 4.0     | <b>476</b>                   | 1502            |
| M54-LBF   | 04/20/2021  | Primary     | <b>20.7</b>          | 42              | <b>147</b>    | 297             | <b>0.73</b>   | 3.2             | 4.0     | <b>745</b>                   | 1561            |
| M54-O   | 04/20/2021  | Primary     | <b>6.1</b>           | 10              | <b>50.5</b>   | 200             | <b>0.58</b>   | 3.2             | 4.0     | <b>413</b>                   | 771             |
| M55-UBF   | 04/19/2021  | Primary     | <b>29.1</b>          | 45              | <b>200</b>    | 425             | <b>0.63</b>   | 3.2             | 4.0     | --                           | 1711            |
| M55-UBF   | 04/19/2021  | Duplicate   | <b>30.0</b>          | 45              | <b>200</b>    | 425             | <b>0.63</b>   | 3.2             | 4.0     | --                           | 1711            |
| M55-UBF <sup>(1)</sup>                                | 05/17/2021  | Primary     | <b>26.9</b>          | 45              | <b>193</b>    | 425             | <b>0.46</b>   | 3.2             | 4.0     | <b>865</b>                   | 1711            |
| M56-LBF   | 04/19/2021  | Primary     | <b>26.6</b>          | 41              | <b>148</b>    | 281             | <b>0.18</b>   | 3.2             | 4.0     | --                           | 1485            |
| M56-LBF <sup>(1)</sup>                                | 05/17/2021  | Primary     | <b>26.1</b>          | 41              | <b>139</b>    | 281             | <b>0.13</b>   | 3.2             | 4.0     | <b>735</b>                   | 1485            |
| M57-O   | 04/15/2021  | Primary     | <b>11.6</b>          | 18              | <b>86.4</b>   | 200             | <b>0.52</b>   | 3.2             | 4.0     | <b>496</b>                   | 842             |
| M57R-O  | 04/20/2021  | Primary     | <b>22.4</b>          | 35              | <b>385</b>    | 230             | <b>0.56</b>   | 3.2             | 4.0     | <b>915</b>                   | 1113            |
| M57R-O <sup>(2)</sup>                                 | 06/01/2021  | Primary     | <b>38.4</b>          | 35              | <b>620</b>    | 230             | <b>0.47</b>   | 3.2             | 4.0     | <b>1330</b>                  | 1113            |
| M58-O   | 04/19/2021  | Primary     | <b>26.4</b>          | 51              | <b>197</b>    | 385             | <b>0.48</b>   | 3.2             | 4.0     | --                           | 1539            |
| M58-O <sup>(1)</sup>                                  | 05/17/2021  | Primary     | <b>25.5</b>          | 51              | <b>191</b>    | 385             | <b>0.36</b>   | 3.2             | 4.0     | <b>825</b>                   | 1539            |
| M59-O   | 04/14/2021  | Primary     | <b>19.8</b>          | 23              | <b>249</b>    | 202             | <b>0.52</b>   | 3.2             | 4.0     | <b>780</b>                   | 854             |
| M59-O <sup>(3)</sup>                                  | 05/19/2021  | Primary     | <b>65.6</b>          | 23              | <b>999</b>    | 202             | <b>0.39</b>   | 3.2             | 4.0     | <b>2010</b>                  | 854             |
| M59-O <sup>(3)</sup>                                  | 06/01/2021  | Primary     | <b>59.8</b>          | 23              | <b>850</b>    | 202             | <b>0.39</b>   | 3.2             | 4.0     | <b>1900</b>                  | 854             |
| M60-O   | 04/14/2021  | Primary     | <b>27.5</b>          | 45              | <b>182</b>    | 271             | <b>0.21</b>   | 3.2             | 4.0     | <b>815</b>                   | 1314            |
| M60-O <sup>(4)</sup>                                  | 05/18/2021  | Primary     | <b>28.2</b>          | 45              | <b>183</b>    | 271             | <b>0.15</b>   | 3.2             | 4.0     | <b>830</b>                   | 1314            |
| M60-O <sup>(4)</sup>                                  | 06/14/2021  | Primary     | <b>28.6</b>          | 45              | <b>186</b>    | 271             | <b>0.21</b>   | 3.2             | 4.0     | <b>835</b>                   | 1314            |
| M61-LBF   | 04/20/2021  | Primary     | <b>7.0</b>           | 12              | <b>54.0</b>   | 200             | <b>0.58</b>   | 3.2             | 4.0     | <b>407</b>                   | 769             |
| MW-01-LBF   | 04/15/2021  | Primary     | <b>29.0</b>          | 43              | <b>158</b>    | 307             | <b>0.33</b>   | 3.2             | 4.0     | <b>810</b>                   | 1543            |
| MW-01-LBF   | 04/15/2021  | Duplicate   | <b>25.8</b>          | 43              | <b>157</b>    | 307             | <b>0.33</b>   | 3.2             | 4.0     | <b>865</b>                   | 1543            |
| MW-01-O   | 04/15/2021  | Primary     | <b>27.1</b>          | 42              | <b>269</b>    | 229             | <b>0.40</b>   | 3.2             | 4.0     | <b>895</b>                   | 1409            |
| MW-01-O <sup>(5)</sup>                                | 05/17/2021  | Primary     | <b>23.8</b>          | 42              | <b>187</b>    | 229             | <b>0.29</b>   | 3.2             | 4.0     | <b>685</b>                   | 1409            |
| Arizona Aquifer Water Quality Standard <sup>(6)</sup> |             |             | --                   | --              | --            | --              | 4.0           | --              | --      | --                           | --              |

## Notes:

(1) Partial resampling due to shipping or laboratory error

(2) Verification sampling conducted on 6/1/2021

(3) Increased frequency monitoring conducted on 5/19/2021 and 6/1/2021

(4) Increased frequency monitoring conducted on 5/18/2021 and 6/14/2021

(5) Increased frequency monitoring conducted on 5/17/2021

(6) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.

## Alert Level Exceedance

All results in milligrams per liter (mg/L)

Detects are **bolded**.

Non-detects are reported to the laboratory method detection limit (&lt; MDL).

AQL = Aquifer Quality Limit

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

TABLE 3

## Q2 2021 INORGANIC PARAMETERS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

| Location  | Sample Date | Sample Type | Alkalinity,<br>Bicarbonate | Alkalinity,<br>Carbonate | Dissolved<br>Calcium | Chloride   | Nitrate (as N) |             |             | Nitrite (as N) |            |            | Dissolved<br>Potassium | Dissolved Sodium | pH (Lab)   | Anion/Cation<br>Ratio |
|---|-------------|-------------|----------------------------|--------------------------|----------------------|------------|----------------|-------------|-------------|----------------|------------|------------|------------------------|------------------|------------|-----------------------|
|   |             |             | mg/L                       | mg/L                     | mg/L                 | mg/L       | mg/L           | UIC AL      | UIC<br>AQL  | mg/L           | UIC AL     | UIC<br>AQL | mg/L                   | mg/L             | pH units   | %                     |
| M14-GL  | 05/12/2021  | Primary     | <b>64.8</b>                | < 2.0                    | <b>18.4</b>          | <b>142</b> | <b>0.67</b>    | --          | --          | < 0.025        | --         | --         | <b>3.1</b>             | <b>136</b>       | <b>8.2</b> | <b>7.08</b>           |
| M15-GU  | 05/12/2021  | Primary     | <b>119</b>                 | < 2.0                    | <b>98.2</b>          | <b>275</b> | <b>6.2</b>     | --          | --          | < 0.025        | --         | --         | <b>5.5</b>             | <b>129</b>       | <b>7.7</b> | <b>3.13</b>           |
| M22-O   | 04/22/2021  | Primary     | <b>88.6</b>                | < 2.0                    | <b>36.4</b>          | <b>132</b> | <b>0.45</b>    | --          | --          | <b>0.12</b>    | --         | --         | <b>4.0</b>             | <b>105</b>       | <b>8.2</b> | <b>2.44</b>           |
| M23-UBF   | 05/12/2021  | Primary     | <b>190</b>                 | < 2.0                    | <b>157</b>           | <b>293</b> | <b>9.4</b>     | --          | --          | < 0.025        | --         | --         | <b>5.8</b>             | <b>199</b>       | <b>7.8</b> | <b>6.74</b>           |
| M52-UBF   | 04/21/2021  | Primary     | <b>196</b>                 | < 2.0                    | <b>115</b>           | <b>218</b> | <b>9.6</b>     | <b>18.3</b> | <b>18.3</b> | --             | <b>0.8</b> | <b>1.0</b> | <b>4.9</b>             | <b>154</b>       | <b>7.5</b> | <b>25.1</b>           |
| M54-LBF   | 04/20/2021  | Primary     | <b>185</b>                 | < 2.0                    | <b>105</b>           | <b>220</b> | <b>7.3</b>     | <b>18.4</b> | <b>18.4</b> | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>4.4</b>             | <b>144</b>       | <b>7.4</b> | <b>0.74</b>           |
| M54-O   | 04/20/2021  | Primary     | <b>73.4</b>                | < 2.0                    | <b>29.6</b>          | <b>142</b> | <b>0.73</b>    | <b>8.0</b>  | <b>10</b>   | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>4.9</b>             | <b>113</b>       | <b>8.0</b> | <b>3.33</b>           |
| M55-UBF   | 04/19/2021  | Primary     | <b>171</b>                 | < 2.0                    | <b>134</b>           | <b>298</b> | <b>9.9</b>     | <b>17</b>   | <b>17</b>   | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>5.1</b>             | <b>170</b>       | <b>7.4</b> | <b>1.33</b>           |
| M55-UBF   | 04/19/2021  | Duplicate   | <b>175</b>                 | < 2.0                    | <b>139</b>           | <b>299</b> | <b>9.9</b>     | <b>17</b>   | <b>17</b>   | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>5.2</b>             | <b>175</b>       | <b>7.4</b> | <b>2.54</b>           |
| M55-UBE <sup>(1)</sup>                                | 05/17/2021  | Primary     | --                         | --                       | --                   | --         | --             | 17          | 17          | --             | 0.8        | 1.0        | --                     | --               | 7.5        | --                    |
| M56-LBF   | 04/19/2021  | Primary     | <b>194</b>                 | < 2.0                    | <b>109</b>           | <b>227</b> | <b>9.3</b>     | <b>15.5</b> | <b>15.5</b> | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>5.6</b>             | <b>155</b>       | <b>7.6</b> | <b>3.47</b>           |
| M56-LBF <sup>(1)</sup>                                | 05/17/2021  | Primary     | --                         | --                       | --                   | --         | --             | 15.5        | 15.5        | --             | 0.8        | 1.0        | --                     | --               | 7.6        | --                    |
| M57-O   | 04/15/2021  | Primary     | <b>94.3</b>                | < 2.0                    | <b>53.9</b>          | <b>146</b> | --             | 8.0         | 10          | --             | 0.8        | 1.0        | <b>4.2</b>             | <b>103</b>       | <b>8.0</b> | <b>2.43</b>           |
| M57-O <sup>(1)</sup>                                  | 04/21/2021  | Primary     | --                         | --                       | --                   | --         | <b>1.5</b>     | 8.0         | 10          | < 0.025        | 0.8        | 1.0        | --                     | --               | --         | --                    |
| M57R-O  | 04/20/2021  | Primary     | <b>97.7</b>                | < 2.0                    | <b>120</b>           | <b>136</b> | <b>1.2</b>     | --          | 10.3        | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>5.3</b>             | <b>141</b>       | <b>7.4</b> | <b>0.87</b>           |
| M57R-O <sup>(2)</sup>                                 | 06/01/2021  | Primary     | --                         | --                       | --                   | --         | --             | --          | 10.3        | --             | 0.8        | 1.0        | --                     | --               | 7.6        | --                    |
| M58-O   | 04/19/2021  | Primary     | <b>154</b>                 | < 2.0                    | <b>123</b>           | <b>272</b> | <b>8.8</b>     | <b>17.4</b> | <b>17.4</b> | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>5.9</b>             | <b>160</b>       | <b>7.7</b> | <b>1.44</b>           |
| M58-O <sup>(1)</sup>                                  | 05/17/2021  | Primary     | --                         | --                       | --                   | --         | --             | 17.4        | 17.4        | --             | 0.8        | 1.0        | --                     | --               | 7.8        | --                    |
| M59-O   | 04/14/2021  | Primary     | <b>91.4</b>                | < 2.0                    | <b>101</b>           | <b>165</b> | <b>2.2</b>     | <b>8.0</b>  | <b>10</b>   | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>6.0</b>             | <b>129</b>       | <b>7.9</b> | <b>2.99</b>           |
| M59-O <sup>(3)</sup>                                  | 05/19/2021  | Primary     | --                         | --                       | --                   | --         | --             | 8.0         | 10          | --             | 0.8        | 1.0        | --                     | --               | 7.7        | --                    |
| M59-O <sup>(3)</sup>                                  | 06/01/2021  | Primary     | --                         | --                       | --                   | --         | --             | 8.0         | 10          | --             | 0.8        | 1.0        | --                     | --               | 7.6        | --                    |
| M60-O   | 04/14/2021  | Primary     | <b>201</b>                 | < 2.0                    | <b>121</b>           | <b>215</b> | <b>8.6</b>     | <b>16.3</b> | <b>16.3</b> | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>5.3</b>             | <b>144</b>       | <b>7.7</b> | <b>2.29</b>           |
| M60-O <sup>(4)</sup>                                  | 05/18/2021  | Primary     | --                         | --                       | --                   | --         | --             | 16.3        | 16.3        | --             | 0.8        | 1.0        | --                     | --               | 7.9        | --                    |
| M60-O <sup>(4)</sup>                                  | 06/14/2021  | Primary     | --                         | --                       | --                   | --         | --             | 16.3        | 16.3        | --             | 0.8        | 1.0        | --                     | --               | 7.7        | --                    |
| M61-LBF   | 04/20/2021  | Primary     | <b>87.7</b>                | < 2.0                    | <b>36.5</b>          | <b>135</b> | <b>0.25</b>    | <b>8.0</b>  | <b>10</b>   | < 0.025        | <b>0.8</b> | <b>1.0</b> | <b>3.9</b>             | <b>95.4</b>      | <b>7.8</b> | <b>-0.48</b>          |
| MW-01-LBF   | 04/15/2021  | Primary     | <b>199</b>                 | < 2.0                    | <b>119</b>           | <b>217</b> | --             | 16.1        | 16.1        | --             | 0.8        | 1.0        | <b>6.8</b>             | <b>162</b>       | <b>7.4</b> | <b>7.41</b>           |
| MW-01-LBF   | 04/15/2021  | Duplicate   | <b>202</b>                 | < 2.0                    | <b>107</b>           | <b>217</b> | --             | 16.1        | 16.1        | --             | 0.8        | 1.0        | <b>5.6</b>             | <b>148</b>       | <b>7.4</b> | <b>2.27</b>           |
| MW-01-LBF <sup>(1)</sup>                              | 04/21/2021  | Primary     | --                         | --                       | --                   | --         | <b>8.6</b>     | 16.1        | 16.1        | < 0.025        | 0.8        | 1.0        | --                     | --               | --         | --                    |
| MW-01-LBF <sup>(1)</sup>                              | 04/21/2021  | Duplicate   | --                         | --                       | --                   | --         | <b>8.6</b>     | 16.1        | 16.1        | < 0.025        | 0.8        | 1.0        | --                     | --               | --         | --                    |
| MW-01-O   | 04/15/2021  | Primary     | <b>107</b>                 | < 2.0                    | <b>125</b>           | <b>223</b> | --             | 13.5        | 13.5        | --             | 0.8        | 1.0        | <b>5.4</b>             | <b>130</b>       | <b>7.8</b> | <b>0.67</b>           |
| MW-01-O <sup>(3)</sup>                                | 04/21/2021  | Primary     | --                         | --                       | --                   | --         | <b>4.4</b>     | 13.5        | 13.5        | < 0.025        | 0.8        | 1.0        | --                     | --               | --         | --                    |
| MW-01-O <sup>(5)</sup>                                | 05/17/2021  | Primary     | --                         | --                       | --                   | --         | --             | 13.5        | 13.5        | --             | 0.8        | 1.0        | --                     | --               | <b>7.9</b> | --                    |
| Arizona Aquifer Water Quality Standard <sup>(6)</sup> |             |             | --                         | --                       | --                   | --         | 10             |             |             | 1.0            |            |            | --                     | --               | --         | --                    |

**Notes:**

(1) Partial resampling due to shipping or laboratory error

(2) Verification sampling conducted on 6/1/2021

(3) Increased frequency monitoring conducted on 5/19/2021 and 6/1/2021

(4) Increased frequency monitoring conducted on 5/18/2021 and 6/14/2021

(5) Increased frequency monitoring conducted on 5/17/2021

(6) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.

Detects are **bolded**.

Non-detects are reported to the laboratory method detection limit (&lt; MDL).

AL = Alert Level

AQL = Aquifer Quality Limit

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

**TABLE 4**  
**Q2 2021 RADIONUCLIDE PARAMETERS**  
**FLORENCE COPPER INC.**  
**FLORENCE, ARIZONA**

| Location ID   | Sample ID  | Sample Type | Gross Alpha Analytes |        | Total Uranium Isotopes <sup>(1)</sup> | Adjusted Gross Alpha Activity <sup>(1)</sup> |        |         | Gross Beta Analytes |           |         | Radium-226 + 228  |        |         | Radon-222             |        |
|---|------------|-------------|----------------------|--------|---------------------------------------|--|--------|---------|---------------------|-----------|---------|-------------------|--------|---------|-----------------------|--------|
|   |            |             | pCi/L                | UIC AL | pCi/L                                 | pCi/L  | UIC AL | UIC AQL | pCi/L               | UIC AL    | UIC AQL | pCi/L             | UIC AL | UIC AQL | pCi/L                 | UIC AL |
| M14-GL  | 05/06/2021 | Primary     | 0.5 U                | 15     | --                                    | --   | 12     | 15      | 2.5 U               | --        | --      | 0.8 U             | 4.0    | 5.0     | <b>1287.8 ± 129.8</b> | --     |
| M14-GL <sup>(2)</sup>                                 | 05/12/2021 | Primary     | 0.5 U                | 15     | --                                    | --   | 12     | 15      | 2.4 U               | --        | --      | 0.7 U             | 4.0    | 5.0     | <b>1134.4 ± 114.4</b> | --     |
| M15-GU  | 05/06/2021 | Primary     | <b>3.5 ± 0.5</b>     | 15     | --                                    | --   | 12     | 15      | <b>6.3 ± 1.7</b>    | --        | --      | 0.8 U             | 4.0    | 5.0     | <b>739.2 ± 75</b>     | --     |
| M15-GU <sup>(2)</sup>                                 | 05/12/2021 | Primary     | <b>3.5 ± 0.4</b>     | 15     | --                                    | --   | 12     | 15      | <b>5.8 ± 1.7</b>    | --        | --      | 0.7 U             | 4.0    | 5.0     | <b>606.9 ± 61.8</b>   | --     |
| M22-O   | 04/22/2021 | Primary     | <b>1.5 ± 0.3</b>     | 15     | --                                    | --   | 12     | 15      | <b>6.1 ± 1.5</b>    | --        | --      | <b>0.6 ± 0.2</b>  | 4.0    | 5.0     | <b>1513.8 ± 152.3</b> | --     |
| M23-UBF   | 05/06/2021 | Primary     | <b>5.8 ± 0.6</b>     | 15     | --                                    | --   | 12     | 15      | <b>7.9 ± 1.9</b>    | --        | --      | <b>0.6 ± 0.2</b>  | 4.0    | 5.0     | <b>193.7 ± 21</b>     | --     |
| M23-UBF <sup>(2)</sup>                                | 05/12/2021 | Primary     | <b>7.0 ± 0.6</b>     | 15     | --                                    | --   | 12     | 15      | <b>8.0 ± 1.9</b>    | --        | --      | <b>0.7 ± 0.2</b>  | 4.0    | 5.0     | <b>139 ± 15.7</b>     | --     |
| M52-UBF   | 04/21/2021 | Primary     | <b>4.0 ± 0.4</b>     | --     | <b>3.9 ± 0.7</b>                      | <b>0.1 ± 0.8</b>                             | 12     | 15      | --                  | 18        | 18      | 0.8 U             | 4.0    | 5.0     | --                    | 265    |
| M54-LBF   | 04/20/2021 | Primary     | <b>5.8 ± 0.5</b>     | --     | <b>5.0 ± 0.8</b>                      | <b>0.8 ± 0.9</b>                             | 12.9   | 15      | <b>6.0 ± 1.6</b>    | 26        | 26      | 0.7 U             | 4.0    | 5.0     | <b>448.6 ± 46.1</b>   | 1242   |
| M54-O   | 04/20/2021 | Primary     | <b>2.6 ± 0.4</b>     | --     | <b>2.9 ± 0.6</b>                      | 1.0 U  | 12.6   | 15      | <b>5.2 ± 1.4</b>    | 28        | 28      | 0.7 U             | 4.0    | 5.0     | <b>411.3 ± 42.4</b>   | 8453   |
| M55-UBF   | 04/19/2021 | Primary     | <b>6.5 ± 0.6</b>     | --     | --                                    | --   | 12     | 15      | 3.1 U               | 17        | 17      | <b>0.5 ± 0.2</b>  | 4.0    | 5.0     | <b>154.7 ± 17.2</b>   | 394    |
| M55-UBF   | 04/19/2021 | Duplicate   | <b>6.8 ± 0.6</b>     | --     | --                                    | --   | 12     | 15      | <b>7.3 ± 1.8</b>    | 17        | 17      | 0.7 U             | 4.0    | 5.0     | <b>158.8 ± 17.6</b>   | 394    |
| M56-LBF   | 04/19/2021 | Primary     | <b>6.9 ± 0.6</b>     | --     | --                                    | --   | 13.6   | 15      | <b>8.2 ± 1.8</b>    | 22        | 22      | 0.7 U             | 4.0    | 5.0     | <b>351 ± 36.3</b>     | 1152   |
| M57-O   | 04/15/2021 | Primary     | <b>5.5 ± 0.5</b>     | --     | --                                    | --   | 12     | 15      | <b>9.0 ± 1.5</b>    | 16        | 16      | 0.8 U             | 4.0    | 5.0     | <b>389.1 ± 40.1</b>   | 11180  |
| M57R-O  | 04/20/2021 | Primary     | <b>3.8 ± 0.4</b>     | 16.8   | --                                    | --   | 12     | 15      | <b>7.7 ± 14.6</b>   | 13.2      | 13.2    | <b>0.6 ± 0.2</b>  | 4.8    | 5.0     | <b>437.1 ± 44.8</b>   | --     |
| M58-O   | 04/19/2021 | Primary     | <b>37.6 ± 1.4</b>    | --     | <b>28.5 ± 1.9</b>                     | <b>9.1 ± 2.4</b>                             | 15     | 15      | <b>14.0 ± 1.9</b>   | 47        | 47      | <b>7.1 ± 0.6</b>  | 13.1   | 13.1    | <b>3469.4 ± 347.8</b> | 13070  |
| M59-O   | 04/14/2021 | Primary     | <b>20.9 ± 1</b>      | --     | <b>2.8 ± 0.6</b>                      | <b>18.1 ± 1.2</b>                            | 15.8   | 15.8    | <b>19.6 ± 1.9</b>   | 16        | 16      | <b>10.9 ± 0.7</b> | 6.9    | 6.9     | <b>8343.7 ± 835.1</b> | 20462  |
| M59-O <sup>(3)</sup>                                  | 05/19/2021 | Primary     | <b>56.2 ± 1.9</b>    | --     | <b>7.1 ± 0.9</b>                      | <b>49.1 ± 2.1</b>                            | 15.8   | 15.8    | <b>52.1 ± 3.3</b>   | 16        | 16      | <b>18.0 ± 0.8</b> | 6.9    | 6.9     | --                    | 20462  |
| M59-O <sup>(3)</sup>                                  | 06/01/2021 | Primary     | <b>65.7 ± 2.1</b>    | --     | <b>8.4 ± 2</b>                        | <b>57.3 ± 2.9</b>                            | 15.8   | 15.8    | <b>36.9 ± 2.9</b>   | 16        | 16      | <b>13.6 ± 0.7</b> | 6.9    | 6.9     | --                    | 20462  |
| M60-O   | 04/14/2021 | Primary     | <b>50.9 ± 1.7</b>    | --     | <b>28.7 ± 1.9</b>                     | <b>22.2 ± 2.5</b>                            | 17.4   | 17.4    | <b>26.8 ± 2.1</b>   | 33        | 33      | <b>7.4 ± 0.6</b>  | 13.9   | 13.9    | <b>3073.6 ± 308.1</b> | 2480   |
| M60-O <sup>(4)</sup>                                  | 05/18/2021 | Primary     | <b>44.5 ± 1.6</b>    | --     | <b>33.1 ± 2</b>                       | <b>11.4 ± 2.6</b>                            | 17.4   | 17.4    | --                  | 33        | 33      | --                | 13.9   | 13.9    | <b>9129 ± 915.6</b>   | 2480   |
| M60-O <sup>(4)</sup>                                  | 06/14/2021 | Primary     | <b>54.8 ± 1.9</b>    | --     | <b>27.7 ± 1.8</b>                     | <b>27.1 ± 2.6</b>                            | 17.4   | 17.4    | --                  | 33        | 33      | --                | 13.9   | 13.9    | <b>2985.3 ± 299.4</b> | 2480   |
| M61-LBF   | 04/20/2021 | Primary     | <b>2.2 ± 0.4</b>     | --     | --                                    | --   | 12     | 15      | <b>4.1 ± 1.7</b>    | 16        | 16      | 0.7 U             | 4.0    | 5.0     | <b>313.5 ± 32.7</b>   | 5869   |
| MW-01-LBF   | 04/15/2021 | Primary     | <b>10.6 ± 0.7</b>    | --     | <b>8.1 ± 1</b>                        | <b>2.5 ± 1.2</b>                             | 21.1   | 21.1    | <b>7.9 ± 1.7</b>    | 21        | 21      | 0.8 U             | 4.0    | 5.0     | <b>381.0 ± 39.3</b>   | 2094   |
| MW-01-LBF   | 04/15/2021 | Duplicate   | <b>8.5 ± 0.6</b>     | --     | --                                    | --   | 21.1   | 21.1    | <b>7.6 ± 1.7</b>    | 21        | 21      | 0.8 U             | 4.0    | 5.0     | <b>389.1 ± 40.1</b>   | 2094   |
| MW-01-O   | 04/15/2021 | Primary     | <b>18.3 ± 1</b>      | --     | <b>7.3 ± 0.9</b>                      | <b>11 ± 1.3</b>                              | 21.9   | 21.9    | <b>14.0 ± 1.8</b>   | 34        | 34      | <b>4.3 ± 0.5</b>  | 14.4   | 14.4    | <b>1603.1 ± 161.3</b> | 15707  |
| Arizona Aquifer Water Quality Standard <sup>(5)</sup> |            |             | -- <sup>(6)</sup>    |        | --                                    |  | 15     |         |                     | 4 mrem/yr |         |                   | 5      |         | --                    |        |

**Notes:**

(1) Total uranium isotopes are analyzed and adjusted gross alpha calculated when gross alpha concentration exceeds 12 pCi/L

(2) Partial resampling due to shipping or laboratory error

(3) Increased frequency monitoring conducted on 5/19/2021 and 6/1/2021

(4) Increased frequency monitoring conducted on 5/18/2021 and 6/14/2021

(5) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.

(6) The AWQS applies to Adjusted Gross Alpha, which equals Gross Alpha minus Uranium Isotopes.

**Alert Level Exceedance**

Detects are **bolded**.

AL = Alert Level

AQL = Aquifer Quality Limit

pCi/L = picocuries per liter

U = Analyte not detected above the Minimum Detectable Concentration (MDC U or Result U ± Uncertainty)

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY11-1

**TABLE 5**  
**Q2 2021 ORGANIC COMPOUNDS**  
**FLORENCE COPPER INC.**  
**FLORENCE, ARIZONA**

| Location  | Sample Date | Sample Type | Benzene  |        |         | Ethylbenzene |        |         | Toluene     |        |         | Total Xylene |        |         | Naphthalene |        |         | Octane  |        |         | Total Petroleum Hydrocarbons - Diesel |        |
|---|-------------|-------------|----------|--------|---------|--------------|--------|---------|-------------|--------|---------|--------------|--------|---------|-------------|--------|---------|---------|--------|---------|---------------------------------------|--------|
|   |             |             | µg/L     | UIC AL | UIC AQL | µg/L         | UIC AL | UIC AQL | µg/L        | UIC AL | UIC AQL | µg/L         | UIC AL | UIC AQL | µg/L        | UIC AL | UIC AQL | µg/L    | UIC AL | UIC AQL | mg/L                                  | UIC AL |
| M14-GL  | 05/12/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | --     | --      | < 0.566 | --     | --      | 0.0231 J                              | --     |
| M15-GU  | 05/12/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | --     | --      | < 0.566 | --     | --      | 0.0511 J                              | --     |
| M22-O   | 04/22/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | --     | --      | < 0.566 | --     | --      | < 0.0222                              | --     |
| M23-UBF   | 05/12/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | --     | --      | < 0.566 | --     | --      | 0.0489 J                              | --     |
| M52-UBF   | 04/21/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | < 0.0222                              | 0.28   |
| M54-LBF   | 04/20/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | < 0.0222                              | 0.28   |
| M54-O   | 04/20/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | < 0.0222                              | 0.28   |
| M55-UBF   | 04/19/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | < 0.0222                              | 0.28   |
| M55-UBF   | 04/19/2021  | Duplicate   | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | < 0.0222                              | 0.28   |
| M56-LBF   | 04/19/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | < 0.0222                              | 0.28   |
| M57-O   | 04/15/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | 0.0257 J                              | 0.28   |
| M57R-O  | 04/20/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | --     | --      | < 0.566 | --     | --      | < 0.0222                              | --     |
| M58-O   | 04/19/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | < 0.0222                              | 0.28   |
| M59-O   | 04/14/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | <b>18.8</b> | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | 0.123                                 | 0.28   |
| M60-O   | 04/14/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | 0.0395 J                              | 0.28   |
| M61-LBF   | 04/20/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | < 0.0222                              | 0.28   |
| MW-01-LBF   | 04/15/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | 0.0799 J                              | 0.28   |
| MW-01-LBF   | 04/15/2021  | Duplicate   | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | 0.126                                 | 0.28   |
| MW-01-O   | 04/15/2021  | Primary     | < 0.0941 | 4      | 5       | < 0.137      | 560    | 700     | < 0.278     | 800    | 1000    | < 0.174      | 8000   | 10000   | < 1.00      | 3.5    | 3.5     | < 0.566 | 0.9    | 0.9     | 0.0266 J                              | 0.28   |
| Arizona Aquifer Water Quality Standard <sup>(1)</sup> |             |             | 5        |        |         | 700          |        |         | 1000        |        |         | 10000        |        |         | --          |        |         | --      |        |         | --                                    |        |

**Notes:**

(1) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.

Detects are **bolded**.

Non-detects are reported to the laboratory method detection limit (< MDL).

µg/L = micrograms per liter

AL = Alert Level

AQL = Aquifer Quality Limit

J = estimated value

mg/L = milligrams per liter

UIC = Underground Injection Permit Permit No. R9UIC-AZ3-FY11-1

**TABLE 6**  
**Q2 2021 TRACE METALS**  
**FLORENCE COPPER INC.**  
**FLORENCE, ARIZONA**

| Location              | Sample Date | Sample Type | Dissolved Aluminum |        | Dissolved Antimony |        |         | Dissolved Arsenic |        |         | Dissolved Barium |        |         | Dissolved Beryllium |        |         | Dissolved Cadmium |        |         | Dissolved Chromium <sup>(1)</sup> |        |         | Dissolved Cobalt |        |
|-----------------------|-------------|-------------|--------------------|--------|--------------------|--------|---------|-------------------|--------|---------|------------------|--------|---------|---------------------|--------|---------|-------------------|--------|---------|-----------------------------------|--------|---------|------------------|--------|
|                       |             |             | mg/L               | UIC AL | mg/L               | UIC AL | UIC AQL | mg/L              | UIC AL | UIC AQL | mg/L             | UIC AL | UIC AQL | mg/L                | UIC AL | UIC AQL | mg/L              | UIC AL | UIC AQL | mg/L                              | UIC AL | UIC AQL | mg/L             | UIC AL |
| M14-GL                | 05/12/2021  | Primary     | < 0.0071           | 0.71   | < 0.000077         | 0.0048 | 0.006   | <b>0.00069</b>    | 0.026  | 0.05    | <b>0.016</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0034</b>                     | 0.08   | 0.1     | < 0.000085       | 0.005  |
| M15-GU                | 05/12/2021  | Primary     | <b>0.039</b>       | 0.71   | < 0.000077         | 0.0048 | 0.006   | <b>0.0015</b>     | 0.026  | 0.05    | <b>0.0041</b>    | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | --     | 0.02    | <b>0.0028</b>                     | 0.08   | 0.1     | <b>0.00012 J</b> | 0.005  |
| M22-O                 | 04/22/2021  | Primary     | <b>0.0094 J</b>    | 0.71   | < 0.000077         | 0.0048 | 0.006   | <b>0.00022 J</b>  | 0.026  | 0.05    | <b>0.0026</b>    | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | --     | 0.02    | <b>0.0016</b>                     | 0.08   | 0.1     | < 0.000085       | 0.005  |
| M23-UBF               | 05/12/2021  | Primary     | < 0.0071           | 0.71   | < 0.000077         | 0.0048 | 0.006   | <b>0.0020</b>     | 0.026  | 0.05    | <b>0.071</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.00090</b>                    | 0.08   | 0.1     | < 0.000085       | 0.005  |
| M52-UBF               | 04/21/2021  | Primary     | <b>0.010 J</b>     | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0026</b>     | 0.026  | 0.05    | <b>0.044</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.00084</b>                    | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M54-LBF               | 04/20/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0016</b>     | 0.026  | 0.05    | <b>0.045</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0011</b>                     | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M54-O                 | 04/20/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.00082</b>    | 0.026  | 0.05    | <b>0.0069</b>    | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0027</b>                     | 0.08   | 0.1     | <b>0.00014 J</b> | 0.002  |
| M55-UBF               | 04/19/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0014</b>     | 0.026  | 0.05    | <b>0.061</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0014</b>                     | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M55-UBF               | 04/19/2021  | Duplicate   | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0014</b>     | 0.026  | 0.05    | <b>0.062</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0014</b>                     | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M56-LBF               | 04/19/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.00092</b>    | 0.026  | 0.05    | <b>0.067</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.00073</b>                    | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M57-O                 | 04/15/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.00099</b>    | 0.026  | 0.05    | <b>0.0087</b>    | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | <b>0.00061 J</b>  | 0.004  | 0.005   | <b>0.0031</b>                     | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M57R-O                | 04/20/2021  | Primary     | < 0.0071           | 0.16   | <b>0.000080 J</b>  | 0.0048 | 0.006   | <b>0.0013</b>     | 0.026  | 0.05    | <b>0.025</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | <b>0.000036 J</b> | 0.004  | 0.005   | <b>0.0034</b>                     | 0.08   | 0.1     | <b>0.0019</b>    | 0.009  |
| M57R-O <sup>(2)</sup> | 06/01/2021  | Primary     | --                 | 0.16   | --                 | 0.0048 | 0.006   | --                | 0.026  | 0.05    | --               | 1.6    | 2.0     | --                  | 0.0032 | 0.004   | --                | 0.004  | 0.005   | --                                | 0.08   | 0.1     | <b>0.0020</b>    | 0.009  |
| M58-O                 | 04/19/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0016</b>     | 0.026  | 0.05    | <b>0.057</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | <b>0.000032 J</b> | 0.004  | 0.005   | <b>0.0029</b>                     | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M59-O                 | 04/14/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0015</b>     | 0.026  | 0.05    | <b>0.14</b>      | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0020</b>                     | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M60-O                 | 04/14/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.00062</b>    | 0.026  | 0.05    | <b>0.043</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0016</b>                     | 0.08   | 0.1     | < 0.000085       | 0.002  |
| M61-LBF               | 04/20/2021  | Primary     | <b>0.013 J</b>     | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0014</b>     | 0.026  | 0.05    | <b>0.084</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0016</b>                     | 0.08   | 0.1     | < 0.000085       | 0.002  |
| MW-01-LBF             | 04/15/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0013</b>     | 0.026  | 0.05    | <b>0.049</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0056</b>                     | 0.08   | 0.1     | <b>0.00013 J</b> | 0.002  |
| MW-01-LBF             | 04/15/2021  | Duplicate   | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.0012</b>     | 0.026  | 0.05    | <b>0.039</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | < 0.000030        | 0.004  | 0.005   | <b>0.0043</b>                     | 0.08   | 0.1     | <b>0.00011 J</b> | 0.002  |
| MW-01-O               | 04/15/2021  | Primary     | < 0.0071           | 0.16   | < 0.000077         | 0.0048 | 0.006   | <b>0.00074</b>    | 0.026  | 0.05    | <b>0.027</b>     | 1.6    | 2.0     | < 0.000054          | 0.0032 | 0.004   | <b>0.000090</b>   | 0.004  | 0.005   | <b>0.0024</b>                     | 0.08   | 0.1     | <b>0.00012 J</b> | 0.002  |

Arizona Aquifer Water Quality Standard<sup>(3)</sup>

-- 0.006

0.05

2.0

0.004

0.005

0.1

--

**Notes:**

(1) Total (i.e., non-speciated) dissolved chromium

(2) Verification sample collected on 6/1/2021.

(3) Arizona Aquifer Water Quality Standard (AWQS),  
Drinking Water Standard, Dec 31, 2016.

**Alert Level Exceedance**

Detects are **bolded**.

Non-detects are reported to the laboratory method detection limit (< MDL).

AL = Alert level

AQL = Aquifer Quality Limit

J = estimated value

mg/L = milligrams per liter

TABLE 6

## Q2 2021 TRACE METALS

FLORENCE COPPER INC.

FLORENCE, ARIZONA

| Location              | Sample Date | Sample Type | Dissolved Copper |        |         | Dissolved Iron |        |                   | Dissolved Lead |         |                    | Dissolved Manganese |                    |               | Dissolved Mercury |                  |      | Dissolved Nickel |                |       | Dissolved Selenium |            |        | Dissolved Thallium |                | Total Uranium |                 | Dissolved Zinc |        |
|-----------------------|-------------|-------------|------------------|--------|---------|----------------|--------|-------------------|----------------|---------|--------------------|---------------------|--------------------|---------------|-------------------|------------------|------|------------------|----------------|-------|--------------------|------------|--------|--------------------|----------------|---------------|-----------------|----------------|--------|
|                       |             |             | mg/L             | UIC AL | UIC AQL | mg/L           | UIC AL | mg/L              | UIC AL         | UIC AQL | mg/L               | UIC AL              | UIC AQL            | mg/L          | UIC AL            | UIC AQL          | mg/L | UIC AL           | UIC AQL        | mg/L  | UIC AL             | UIC AQL    | mg/L   | UIC AL             | UIC AQL        | mg/L          | UIC AL          | mg/L           | UIC AL |
| M14-GL                | 05/12/2021  | Primary     | <b>0.0014</b>    | 0.51   | --      | < 0.012        | 2.2    | < 0.000043        | 0.04           | 0.05    | <b>0.0014</b>      | 0.22                | < 0.000047         | <b>0.0011</b> | 0.002             | < 0.00018        | 0.08 | 0.1              | <b>0.00062</b> | 0.027 | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.00081</b> | --            | < 0.0023        | 2.5            |        |
| M15-GU                | 05/12/2021  | Primary     | <b>0.00076 J</b> | 0.51   | --      | <b>0.077</b>   | 2.2    | <b>0.000077 J</b> | 0.04           | 0.05    | <b>0.0016</b>      | 0.22                | < 0.000047         | <b>0.0011</b> | 0.002             | <b>0.0062</b>    | 0.08 | 0.13             | <b>0.00054</b> | 0.027 | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0030</b>  | --            | < 0.0023        | 2.5            |        |
| M22-O                 | 04/22/2021  | Primary     | <b>0.00048 J</b> | 0.51   | --      | <b>0.12</b>    | 2.2    | < 0.000043        | 0.04           | 0.05    | <b>0.015</b>       | 0.22                | < 0.000045         | <b>0.0011</b> | 0.002             | < 0.00018        | 0.08 | 0.1              | <b>0.0016</b>  | 0.027 | 0.05               | < 0.000047 | --     | 0.01               | <b>0.0030</b>  | --            | < 0.0023        | 2.5            |        |
| M23-UBF               | 05/12/2021  | Primary     | <b>0.00044 J</b> | 0.51   | --      | < 0.012        | 2.2    | < 0.000043        | 0.04           | 0.05    | <b>0.00094</b>     | 0.22                | < 0.000047         | <b>0.0011</b> | 0.002             | < 0.00018        | 0.08 | 0.1              | <b>0.00086</b> | 0.027 | 0.05               | < 0.000047 | --     | 0.012              | <b>0.0057</b>  | --            | < 0.0023        | 2.5            |        |
| M52-UBF               | 04/21/2021  | Primary     | <b>0.00052 J</b> | 0.8    | 1.0     | < 0.012        | 0.24   | <b>0.00015</b>    | 0.04           | 0.05    | <b>0.00023 J</b>   | 0.04                | < 0.000045         | 0.0016        | 0.002             | <b>0.00047 J</b> | 0.08 | 0.1              | <b>0.0011</b>  | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0043</b>  | 0.0081        | < 0.0023        | 4.0            |        |
| M54-LBF               | 04/20/2021  | Primary     | <b>0.00044 J</b> | 0.8    | 1.0     | <b>0.020 J</b> | 0.24   | < 0.000043        | 0.04           | 0.05    | < 0.00022          | 0.04                | < 0.000045         | 0.0016        | 0.002             | <b>0.00023 J</b> | 0.08 | 0.1              | <b>0.00065</b> | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0043</b>  | 0.0118        | < 0.0023        | 4.0            |        |
| M54-O                 | 04/20/2021  | Primary     | <b>0.0012</b>    | 0.8    | 1.0     | <b>0.029 J</b> | 0.89   | < 0.000043        | 0.04           | 0.05    | <b>0.0015</b>      | 0.3                 | < 0.000045         | 0.0016        | 0.002             | <b>0.0072</b>    | 0.08 | 0.1              | <b>0.00074</b> | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0032</b>  | 0.0193        | < 0.0023        | 4.0            |        |
| M55-UBF               | 04/19/2021  | Primary     | <b>0.00061 J</b> | 0.8    | 1.0     | <b>0.021 J</b> | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.0027</b>      | 0.29                | < 0.000045         | 0.0016        | 0.002             | <b>0.00046 J</b> | 0.08 | --               | <b>0.00085</b> | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0036</b>  | 0.0098        | <b>0.0024 J</b> | 4.0            |        |
| M55-UBF               | 04/19/2021  | Duplicate   | < 0.00043        | 0.8    | 1.0     | <b>0.019 J</b> | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.0027</b>      | 0.29                | < 0.000045         | 0.0016        | 0.002             | <b>0.00045 J</b> | 0.08 | --               | <b>0.00090</b> | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0039</b>  | 0.0098        | < 0.0023        | 4.0            |        |
| M56-LBF               | 04/19/2021  | Primary     | <b>0.00044 J</b> | 0.8    | 1.0     | <b>0.079</b>   | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.0025</b>      | 0.42                | < 0.000045         | 0.0016        | 0.002             | <b>0.0011</b>    | 0.08 | --               | <b>0.00064</b> | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0070</b>  | 0.0148        | < 0.0023        | 4.0            |        |
| M57-O                 | 04/15/2021  | Primary     | <b>0.0031</b>    | 0.8    | 1.0     | <b>0.023 J</b> | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.0011</b>      | 0.04                | <b>0.0000050 J</b> | 0.0016        | 0.002             | < 0.00018        | 0.08 | --               | <b>0.0018</b>  | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0035</b>  | 0.0135        | < 0.0023        | 4.0            |        |
| M57R-O                | 04/20/2021  | Primary     | <b>0.00051 J</b> | 0.8    | --      | <b>0.017 J</b> | 0.24   | <b>0.00040</b>    | 0.04           | 0.05    | <b>0.011</b>       | 0.04                | < 0.000045         | 0.0016        | 0.002             | <b>0.085</b>     | 0.08 | 0.1              | <b>0.013</b>   | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0040</b>  | --            | < 0.0023        | 4.0            |        |
| M57R-O <sup>(2)</sup> | 06/01/2021  | Primary     | --               | 0.8    | --      | --             | 0.24   | --                | 0.04           | 0.05    | --                 | 0.04                | --                 | 0.0016        | 0.002             | <b>0.080</b>     | 0.08 | 0.1              | --             | 0.04  | 0.05               | --         | 0.0016 | 0.002              | --             | --            | --              | 4.0            |        |
| M58-O                 | 04/19/2021  | Primary     | <b>0.0022</b>    | 0.8    | 1.0     | <b>0.012 J</b> | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.00060</b>     | 0.04                | < 0.000045         | 0.0016        | 0.002             | <b>0.0055</b>    | 0.08 | --               | <b>0.0010</b>  | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.035</b>   | 0.1341        | <b>0.0030 J</b> | 4.0            |        |
| M59-O                 | 04/14/2021  | Primary     | <b>0.0011</b>    | 0.8    | 1.0     | <b>0.096</b>   | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.00077</b>     | 0.05                | < 0.000045         | 0.0016        | 0.002             | <b>0.0016</b>    | 0.08 | --               | <b>0.014</b>   | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0038</b>  | 0.0052        | < 0.0023        | 4.0            |        |
| M60-O                 | 04/14/2021  | Primary     | <b>0.0047</b>    | 0.8    | 1.0     | < 0.012        | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.00085</b>     | 0.07                | < 0.000045         | 0.0016        | 0.002             | <b>0.0029</b>    | 0.2  | --               | <b>0.0019</b>  | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.043</b>   | 0.0612        | < 0.0023        | 4.0            |        |
| M61-LBF               | 04/20/2021  | Primary     | < 0.00043        | 0.8    | 1.0     | <b>0.017 J</b> | 1.13   | < 0.000043        | 0.04           | 0.05    | <b>0.00082</b>     | 0.18                | < 0.000045         | 0.0016        | 0.002             | <b>0.0037</b>    | 0.08 | --               | <b>0.00081</b> | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.00085</b> | 0.0041        | < 0.0023        | 4.0            |        |
| MW-01-LBF             | 04/15/2021  | Primary     | <b>0.00079 J</b> | 0.8    | 1.0     | <b>0.19</b>    | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.0012</b>      | 0.23                | < 0.000045         | 0.0016        | 0.002             | <b>0.0065</b>    | 0.08 | --               | <b>0.00072</b> | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0086</b>  | 0.0154        | <b>0.0071</b>   | 4.6            |        |
| MW-01-LBF             | 04/15/2021  | Duplicate   | <b>0.00050 J</b> | 0.8    | 1.0     | <b>0.14</b>    | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.0012</b>      | 0.23                | <b>0.0000050 J</b> | 0.0016        | 0.002             | <b>0.0055</b>    | 0.08 | --               | <b>0.00066</b> | 0.04  | 0.05               | < 0.000047 | 0.0016 | 0.002              | <b>0.0081</b>  | 0.0154        | <b>0.0062</b>   | 4.6            |        |
| MW-01-O               | 04/15/2021  | Primary     | <b>0.0016</b>    | 0.8    | 1.0     | < 0.012        | 0.24   | < 0.000043        | 0.04           | 0.05    | <b>0.0016</b> </td |                     |                    |               |                   |                  |      |                  |                |       |                    |            |        |                    |                |               |                 |                |        |

## **APPENDIX A**

### **Data Quality Assurance/Quality Control Summary Memorandum**



HALEY & ALDRICH, INC.  
One Arizona Center  
400 E. Van Buren St., Suite 545  
Phoenix, AZ 85004  
602.760.2450

## MEMORANDUM

28 July 2021  
File No. 133887-010

TO: Haley & Aldrich, Inc.  
Laura Menken, R.G.

FROM: Haley & Aldrich, Inc.  
Alexis Rainery, Engineer  
Katherine Miller, Project Manager

SUBJECT: Appendix A – Data Quality Assurance/Quality Control Summary

Analytical results for environmental samples collected during the second quarter 2021 compliance monitoring event were verified in accordance with guidance provided by the U.S. Environmental Protection Agency (USEPA).<sup>1</sup> For each laboratory data package, the following quality control/quality assurance criteria from the analysis of the project samples were reviewed:

- Completeness with the chain of custody (COC);
- Comparison of reporting limits to alert levels (AL) and aquifer quality limits (AQL);
- Holding times/preservation;
- Blank sample analysis;
- Laboratory control samples;
- Matrix spike samples;
- Laboratory and field duplicate sample analysis; and
- Verification of laboratory report data.

Sample data were qualified by the laboratory in accordance with laboratory standard operating procedures (SOP). Based on a check of the data qualifiers assigned to the project sample results, these flags were applied to the reported results in accordance with the laboratory-specific SOP.

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<sup>1</sup> USEPA, 2012. USEPA Region 9 Guidance for Quality Assurance Program Plans, R9QA/03.2. March.

## COMPLETENESS WITH CHAIN OF CUSTODY

Samples were collected, preserved, and shipped following standard COC protocol. Samples were also received appropriately, identified correctly, and analyzed according to the COC. COCs were appropriately signed and dated by the field and/or laboratory personnel. The following exceptions were noted:

- Custody seal not used on coolers for the following laboratory reports: 10555665. The following samples are included in the identified laboratory reports: M59-O, M60-O, and TB.
- Laboratory report 105568-56 was revised on 20 July 2021 to provide a correct analysis date for the radon result for well M22-O.
- Laboratory report 105559-42 was received late due to shipping delays. As a result, nitrate and nitrite by USEPA 300.0 were not analyzed for wells MW-01-O, MW-01-LBF, and M57-O. Resampling was completed to provide a complete data set.
- Laboratory reports 105594-91 and 105594-95 were received late due to shipping delays. As a result, only radionuclide parameters were reported. This affected wells M14-GL, M15-GU, and M23-UBF. Resampling was completed to provide full data sets.
- In laboratory report 105561-37, total dissolved solids was not analyzed for wells M58-O, M55-UBF, and M56-LBF due to laboratory oversight. Resampling was completed to provide full data sets.

## REPORTING LIMITS

The reporting limits and/or method detection limits were at or below the applicable ALs and AQLs.

## HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified as per each method's protocol with the following exceptions:

- All samples analyzed for pH by method SM 4500-H+B were analyzed outside the hold time by the laboratory per client request.

| Laboratory Report | Method    | Matrix | Holding Time | Preservation | Sample ID, Violation, Qualification  |
|-------------------|-----------|--------|--------------|--------------|--|
| 105556-65         | EPA 300.0 | Water  | 48 hours     | Unpreserved  | Nitrate and nitrite by method EPA 300.0 was analyzed slightly outside the 48-hour hold time (by less than an hour to 3 hours) for the following samples:<br>M59-O-041421 |

| Laboratory Report                          | Method                              | Matrix | Holding Time | Preservation   | Sample ID, Violation, Qualification  |  |  |  |  |
|--|-------------------------------------|--------|--------------|----------------|--|--|--|--|--|
| 105634-69                                  | pH by SM 4500H+                     | Water  | Various      | Cool to ≤ 6 °C | The cooler containing the following samples was received warm at 8.2 degrees Celsius:<br>M57R-O-GW-060121<br>M59-O-GW-060121 |  |  |  |  |
|  | Total dissolved solids by SM 22540C |        |              |                |  |  |  |  |  |
|  | Specific conductance by EPA 2510C   |        |              |                |  |  |  |  |  |
|  | Nitrate and nitrite by USEPA 300.0  |        |              |                |  |  |  |  |  |
|  | Sulfate by USEPA 300.0              |        |              |                |  |  |  |  |  |
| <b>Notes:</b>                              |                                     |        |              |                |  |  |  |  |  |
| EPA = U.S. Environmental Protection Agency |                                     |        |              |                |  |  |  |  |  |
| SM = standard method                       |                                     |        |              |                |  |  |  |  |  |

## BLANK SAMPLE ANALYSIS

Method blank samples had no detections, indicating that no contamination from laboratory activities occurred with the following exceptions:

| Laboratory Report           | Associated Sample ID(s)  | Batch ID | Analyte Detected in Method Blank | Concentration (mg/L) |
|-----------------------------|--|----------|----------------------------------|----------------------|
| 105556-65                   | M59-O<br>M60-O   | L1340486 | C10-C28 Diesel Range             | 0.0225 J             |
| 105559-42                   | MW-01-O<br>MW-01-LBF<br>W62-P<br>M57-O   | 736119   | Mercury                          | 0.0000070 J          |
| 105559-42                   |  | 736564   | Calcium, Dissolved               | 0.018 J              |
| 105559-42                   |  | 736564   | Chromium, Dissolved              | 0.00035 J            |
| 105568-56                   | M22-O<br>TB  | 738388   | Total Dissolved Solids           | 5.0 J                |
| 105568-56                   |  | L1344976 | C28-C40 Oil Range                | 0.0747 J             |
| 105607-87                   | M58-O-GW-051721<br>M56-LBF-GW-051721<br>M55-UBF-GW-051721<br>MW-01-O-GW-051721 | 743505   | Magnesium, Dissolved             | 0.017                |
| 105615-11                   | M59-O-GW-051921  | 744604   | Total Dissolved Solids           | 5.0 J                |
| <b>Notes:</b>               |  |          |                                  |                      |
| J = estimated               |  |          |                                  |                      |
| mg/L = milligrams per liter |  |          |                                  |                      |

Trip blank samples had no detections, indicating that no contamination occurred during shipping.

## LABORATORY CONTROL AND MATRIX SPIKE SAMPLES

Compounds associated with the laboratory control sample, matrix spike, and matrix spike duplicate analyses exhibited recoveries and relative percent differences (RPD) within the specified limits with the following exceptions:

| Laboratory Report | Sample ID      | Sample Type | Method      | Batch ID | Analyte            | %R, RPD         | Acceptable %R, RPD |
|-------------------|----------------|-------------|-------------|----------|--------------------|-----------------|--------------------|
| 105556-65         | M59-O<br>M60-O | MS/MSD      | USEPA 200.8 | 736567   | Calcium, Dissolved | -332%/<br>-321% | 70-130%            |

| Laboratory Report | Sample ID                                    | Sample Type | Method      | Batch ID | Analyte              | %R, RPD    | Acceptable %R, RPD |
|-------------------|--|-------------|-------------|----------|----------------------|------------|--------------------|
| 105556-65         | TB   | MS/MSD      | USEPA 200.8 | 736567   | Magnesium, Dissolved | 44%/45%    | 70-130%            |
| 105556-65         |  | MS/MSD      | USEPA 200.8 | 736567   | Sodium, Dissolved    | -512%/-500 | 70-130%            |
| 105556-65         |  | LCSD        | EPA 8260B   | L1340486 | Naphthalene          | RPD=29.4   | RPD=20             |
| 105559-42         | MW-01-O<br>MW-01-LBF<br>W62-P<br>M57-O<br>TB | MSD         | USEPA 245.1 | 736119   | Mercury, Dissolved   | 59%        | 70-130%            |
| 105562-08         | M61-LBF<br>M54-LBF<br>M54-O<br>M57R-O<br>TB  | MS          | USEPA 200.8 | 3926790  | Calcium, Dissolved   | -19%       | 70-130%            |
| 105562-08         |  | MS          | USEPA 200.8 | 3926790  | Sodium, Dissolved    | -443%      | 70-130%            |
| 105566-76         | M52-UBF-042121                               | MS          | SM 2320B    | 739691   | Alkalinity, Total    | 74%        | 80-120%            |
| 105566-76         |  | MS/MSD      | USEPA 300.0 | 737062   | Fluoride             | 77%/77%    | 80-120             |
| 105566-76         |  | LCS         | EPA 8260B   | L1343685 | n-Octane             | 265%       | 70-130%            |
| 105599-31         | M14-GL<br>M15-GU<br>M23-UBF<br>TB            | LCSD        | EPA 8015D   | L1353747 | C10-C28 Diesel Range | RPD=21.4   | RPD=20             |

**Notes:**

% = percent  
%R = percent recovery  
LCS = laboratory control sample  
LCSD = laboratory control sample duplicate  
MS = matrix spike  
MSD = matrix spike duplicate  
RPD = relative percent difference  
USEPA = U.S. Environmental Protection Agency

## LABORATORY AND FIELD DUPLICATE SAMPLES

The RPDs for laboratory duplicate analysis were all below 20 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the reporting limit).

The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The following samples were collected for field duplicate analysis and the RPDs were all below 35 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the reporting limit).

| Primary Sample ID  | Duplicate Sample ID | Methods for Which Field Duplicates Were Analyzed   |
|--|---------------------|--|
| MW-01-LBF  | W62-P               | pH by SM 4500H+<br>Electroconductivity by SM 2510<br>Anions by EPA 300.0<br>Total Dissolved Solids by SM 2540C<br>Metals by EPA 200.7 and EPA 200.8<br>Gross Alpha by 600/00-02<br>Gross Beta by EPA 900<br>Radium 226 + 228 by 903/Gamma Ray HPGE<br>Uranium Isotopes (Activity) by ASTM 6239<br>Radon by SM 7500-RN<br>Extractable Fuel Hydrocarbons by EPA 8015D<br>Volatile Organic Compounds by EPA 8260B |
| M55-UBF  | M99-L               |  |
| <p><b>Notes:</b><br/>EPA = U.S. Environmental Protection Agency<br/>SM = Standard Method</p> |                     |  |

## VERIFICATION OF LABORATORY REPORT DATA

A minimum of 10 percent of the data reported by the laboratory were verified against the electronic data deliverables.

G:\Projects\Florence Copper\133887 Quarterly Monitoring\Deliverables\2Q 2021 Reports\2Q 2021 UIC Report\Attachments\UIC 6C - Quarterly Compliance Monitoring Report\Appendix A UIC QA\_QC Summary Q2\_2021\_D.docx

**ATTACHMENT 7**

**Results of Monthly Lixiviant Organic Analysis**

**ATTACHMENT 7****MONTHLY LIXIVIANT (RAFFINATE) MONITORING RESULTS**

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| Analyte   | Units | Sample Date |           |           |
|---|-------|-------------|-----------|-----------|
|   |       | 4/14/2021   | 5/20/2021 | 6/16/2021 |
| Benzene   | mg/L  | <0.0005     | <0.0005   | <0.0005   |
| Ethylbenzene                                    | mg/L  | <0.0005     | <0.0005   | <0.0005   |
| Naphthalene                                     | mg/L  | <0.002      | <0.002    | <0.002    |
| n-Octane  | mg/L  | <0.0005     | <0.0005   | <0.0005   |
| Toluene   | mg/L  | <0.0005     | <0.0005   | 0.00082   |
| Total Xylene                                    | mg/L  | <0.0015     | <0.0015   | <0.0015   |
| TPH-Diesel                                      | mg/L  | <0.10       | <0.10     | <0.10     |
| Total Organics                                  | mg/L  | <0.1055     | <0.1055   | <0.11     |
| <b>Maximum Allowable Average Total Organics</b> | mg/L  | 10          | 10        | 10        |

**Notes:**

mg/L = milligrams per liter

TPH = Total petroleum hydrocarbons

**ATTACHMENT 8**

**Results of Mechanical Integrity Testing**

**ATTACHMENT 8****Q2 2021 MECHANICAL INTEGRITY TESTS**

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| <b>Q2 2021 Mechanical Integrity Tests</b> |                             |                           |                          |
|---|-----------------------------|---------------------------|--------------------------|
| <b>Well ID</b>                            | <b>Temperature Log Date</b> | <b>Pressure Test Date</b> | <b>Pass (P) Fail (F)</b> |
| WB-01                                     | 5/25/2021                   | --                        | P                        |
| WB-02                                     | 5/25/2021                   | --                        | P                        |
| WB-03                                     | 5/25/2021                   | --                        | P                        |
| WB-04                                     | 5/25/2021                   | --                        | P                        |

**Notes:***Temperature log report sent to EPA under separate cover.*

**ATTACHMENT 9**

**Results of Annular Conductivity Device Monitoring**



# ANNULAR CONDUCTIVITY DATA

## QA PROCEDURE & DOCUMENTATION FORM (V.1)

### GENERAL

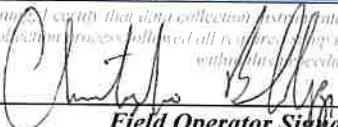
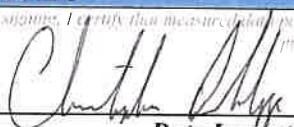
|   |   |  |  |
|---|---|--|--|
| HGI Project Name:<br>2018-030 – FCP Bulk & Annular<br>Conductivity Monitoring                                     | Project Site:<br>Florence Copper Project  | Weather Conditions:<br>88°F SUNNY  |  |
| Date<br><b>4/1/2021</b>   | Field Operator Name:<br><b>C. BALOYBA</b> | Start and End Time:<br><b>1319 1413</b>  |  |
| <b>EQUIPMENT</b>  |   | <b>DIAGNOSTICS</b><br>(See back of sheet for detailed instructions and procedures)   |  |
| <b>AGI MiniSting (MS) Serial #:</b><br><b>S0608049</b><br><b>HGI Cray Interface Panel SN#</b><br><b>CR-ES-002</b> |   | <b>6Ω Resistor Standard</b><br>Result: <b>6.3571</b><br>Pass Criteria: <b>6.250Ω ± 0.30</b><br>Circle One: <b>Pass or Fail</b> | <ul style="list-style-type: none"> <li>• No. Cycles: <b>4</b></li> <li>• Max Error: <b>Off</b></li> <li>• Max Current: <b>50mA</b></li> <li>• Measure Time: <b>3.6</b></li> <li>• Measure mode: <b>RESISTANCE</b></li> </ul> |

### DATA COLLECTION:

| WELL ID | Time<br>(24h) | Current<br>(mA) | 1       |                                       |                            | 2       |                                       |                            | 3       |                                       |                            | Data<br>Acceptance Pass<br>= P, Fail = F |   |
|---------|---------------|-----------------|---------|---------------------------------------|----------------------------|---------|---------------------------------------|----------------------------|---------|---------------------------------------|----------------------------|--|---|
|         |               |                 | Reading | Resistance<br>( $\Delta Y = \Omega$ ) | Error<br>( $\sigma = \%$ ) | Reading | Resistance<br>( $\Delta Y = \Omega$ ) | Error<br>( $\sigma = \%$ ) | Reading | Resistance<br>( $\Delta Y = \Omega$ ) | Error<br>( $\sigma = \%$ ) |  |   |
| 1       | WB-04         | 1331            | 20      | 264                                   | 55.90                      | 3.2     | 205                                   | 55.96                      | 3.2     | 206                                   | 55.93                      | 3.2                                      | P |
| 2       | WB-03         | 1319            | 20      | 195                                   | 77.06                      | 0.5     | 196                                   | 75.88                      | 1.3     | 197                                   | 75.35                      | 1.6                                      | P |
| 3       | WB-02         | 1323            | 20      | 198                                   | 80.60                      | 2.4     | 199                                   | 81.20                      | 2.4     | 200                                   | 81.09                      | 2.5                                      | P |
| 4       | WB-01         | 1328            | 20      | 201                                   | 52.01                      | 1.3     | 202                                   | 50.20                      | 0.8     | 203                                   | 49.49                      | 1.0                                      | P |
| 5       | B-01          | 1341            | 20      | 207                                   | 71.14                      | 0.5     | 208                                   | 70.27                      | 0.8     | 209                                   | 70.01                      | 0.9                                      | P |
| 6       | B-07          | 1345            | 20      | 210                                   | 61.22                      | 0.5     | 211                                   | 60.36                      | 0.9     | 212                                   | 59.97                      | 0.9                                      | P |
| 7       | B-06          | 1350            | 20      | 213                                   | 57.65                      | 1.2     | 214                                   | 55.67                      | 1.0     | 215                                   | 54.96                      | 1.2                                      | P |
| 8       | B-05          | 1356            | 20      | 216                                   | 87.58                      | 0.3     | 217                                   | 86.88                      | 0.5     | 218                                   | 86.51                      | 0.5                                      | P |
| 9       | B-04          | 1401            | 20      | 219                                   | 53.57                      | 1.7     | 220                                   | 51.61                      | 0.6     | 221                                   | 51.03                      | 0.7                                      | P |
| 10      | B-03          | 1408            | 20      | 222                                   | 54.57                      | 1.0     | 223                                   | 53.68                      | 0.8     | 224                                   | 52.54                      | 0.9                                      | P |
| 11      | B-02          | 1413            | 20      | 225                                   | 65.48                      | 1.8     | 226                                   | 65.72                      | 1.9     | 227                                   | 65.53                      | 2.0                                      | P |

228-230 RPT of WB-04

Well ID's that begin with a "B" correspond to the wells that begin with an "O" in standard reporting. For example, B-01 corresponds to O-01.

| DATA QUALITY ACCEPTANCE   | FIELD OBSERVATIONS  |
|---|---|
| <b>Measurement Error Evaluation</b><br>Pass Criteria: 66% (2/3) of measurement error values less than 5%  | <i>(Briefly describe site activities at time of data acquisition, status of electrode arrays, or other parameters that may influence readings)</i>  |
| <b>SIGNATURES</b>   |   |
| <i>I declare that data collection instruments pass all required tests and the data collection process followed all required setup and programming instructions listed within this procedure.</i><br><br><b>Field Operator Signature/Date</b><br>4/1/2021 | <i>I certify that measurements pass all required data quality tests listed within this procedure.</i><br><br><b>Data Inspector Signature/Date</b><br>4/1/2021 |

## **ATTACHMENT 10**

**Summary of Plugging and Abandonment**  
**(Placeholder – Not Applicable for this Monitoring Period)**

**ATTACHMENT 11**

**Table of Monthly Casing Annulus and Injection Pressures**

**Q2 2021 DAILY WELLHEAD PRESSURES - INJECTION WELLS**

Page 1 of 3

FLORENCE COPPER INC.

FLORENCE, ARIZONA

**Table 1. April 2021 Wellhead Pressures**

| Date      | I-01 |      |      | I-02 |      |       | I-03  |       |       | I-04 |      |       | Fracture Gradient |
|-----------|------|------|------|------|------|-------|-------|-------|-------|------|------|-------|-------------------|
|           | Avg  | Min  | Max  | Avg  | Min  | Max   | Avg   | Min   | Max   | Avg  | Min  | Max   |                   |
| 4/1/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.03  | 0.03  | 0.03  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/2/2021  | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 45.62 | 3.97  | 0.03  | 8.07  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/3/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 3.60  | 1.34  | 6.54  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/4/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 4.04  | 0.00  | 9.64  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/5/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 33.74 | 0.00  | 48.01 | 0.20 | 0.00 | 15.23 | 112.89            |
| 4/6/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 23.52 | 13.68 | 41.26 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/7/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 37.18 | 30.00 | 40.95 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/8/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 37.10 | 21.61 | 48.39 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/9/2021  | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 22.83 | 15.20 | 0.00  | 27.93 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/10/2021 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 18.50 | 27.46 | 16.67 | 36.98 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/11/2021 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 13.35 | 33.42 | 0.00  | 59.43 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/12/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 40.21 | 0.00  | 60.24 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/13/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 44.90 | 36.37 | 50.38 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/14/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 49.97 | 41.77 | 56.60 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/15/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 53.04 | 48.08 | 59.38 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/16/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 38.07 | 3.23  | 60.61 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/17/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 22.74 | 20.24 | 54.85 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/18/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 25.47 | 19.68 | 29.92 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/19/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 1.45  | 0.00  | 31.93 | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/20/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/21/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.14 | 0.00 | 42.15 | 112.89            |
| 4/22/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/23/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/24/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/25/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/26/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/27/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 112.89            |
| 4/28/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.13 | 0.00 | 37.87 | 112.89            |
| 4/29/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.21 | 0.00 | 21.84 | 112.89            |
| 4/30/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00  | 112.89            |

**Notes:**

All measurements in pounds per square inch (psi)

NM = Not measured or otherwise not available

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

P-Wellhead = P-TOS - P-Col = [P-Frac x D-TOS] - [D-TOS / Conv] Where:

|            |  |   |        |                   |
|------------|--|---|--------|-------------------|
| P-Fracture | = Pressure allowed at the top of the injection well screen (TOS) | = | 0.65   | psi/foot of depth |
| D-TOS      | = Depth to top of injection well screens                         | = | 520    | feet              |
| P-TOS      | = Total pressure allowed at top of screen = P-Fracture x D-TOS   | = | 338    | psi               |
| Conv       | = Feet of Water per psi  | = | 2.31   | feet/psi          |
| P-Col      | = Pressure from weight of water column at TOS                    | = | 225.11 | psi               |
| P-Wellhead | = Allowable pressure at the top of the wellhead = P-TOS - P-Col  | = | 112.89 | psi               |

**Q2 2021 DAILY WELLHEAD PRESSURES - INJECTION WELLS**

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

**Table 2. May 2021 Wellhead Pressures**

| Date      | I-01 |      |      | I-02 |      |      | I-03 |      |      | I-04 |      |      | Fracture Gradient |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|
|           | Avg  | Min  | Max  |                   |
| 5/1/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/2/2021  | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/3/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/4/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/5/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/6/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/7/2021  | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 8.57 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 3.70 | 112.89            |
| 5/8/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/9/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/10/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/11/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/12/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/13/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/14/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/15/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/16/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/17/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/18/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/19/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/20/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/21/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/22/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/23/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/24/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/25/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/26/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/27/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/28/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/29/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/30/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/31/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |

**Notes:**

All measurements in pounds per square inch (psi)

NM = Not measured or otherwise not available

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

P-Wellhead = P-TOS - P-Col = [P-Frac x D-TOS] - [D-TOS / Conv] Where:

|            |  |                            |        |                   |
|------------|--|----------------------------|--------|-------------------|
| P-Fracture | = Pressure allowed at the top of the injection well screen (TOS) | =                          | 0.65   | psi/foot of depth |
| D-TOS      | = Depth to top of injection well screens                         | =                          | 520    | feet              |
| P-TOS      | = Total pressure allowed at top of screen = P-Fracture x D-TOS   | = 0.65 psi/foot x 520 feet | 338    | psi               |
| Conv       | = Feet of Water per psi  | =                          | 2.31   | feet/psi          |
| P-Col      | = Pressure from weight of water column at TOS                    | = 520 feet / 2.31 feet/psi | 225.11 | psi               |
| P-Wellhead | = Allowable pressure at the top of the wellhead = P-TOS - P-Col  | = 338 psi - 225.11 psi     | 112.89 | psi               |

**Q2 2021 DAILY WELLHEAD PRESSURES - INJECTION WELLS**

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

**Table 3. June 2021 Wellhead Pressures**

| Date      | I-01 |      |      | I-02 |      |      | I-03 |      |      | I-04 |      |      | Fracture Gradient |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|
|           | Avg  | Min  | Max  |                   |
| 6/1/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/2/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/3/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/4/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/5/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/6/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/7/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/8/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.03 | 112.89            |
| 6/9/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/10/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/11/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/12/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/13/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/14/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/15/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/16/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/17/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/18/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/19/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/20/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/21/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/22/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/23/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/24/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/25/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/26/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/27/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/28/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/29/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/30/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |

**Notes:**

All measurements in pounds per square inch (psi)

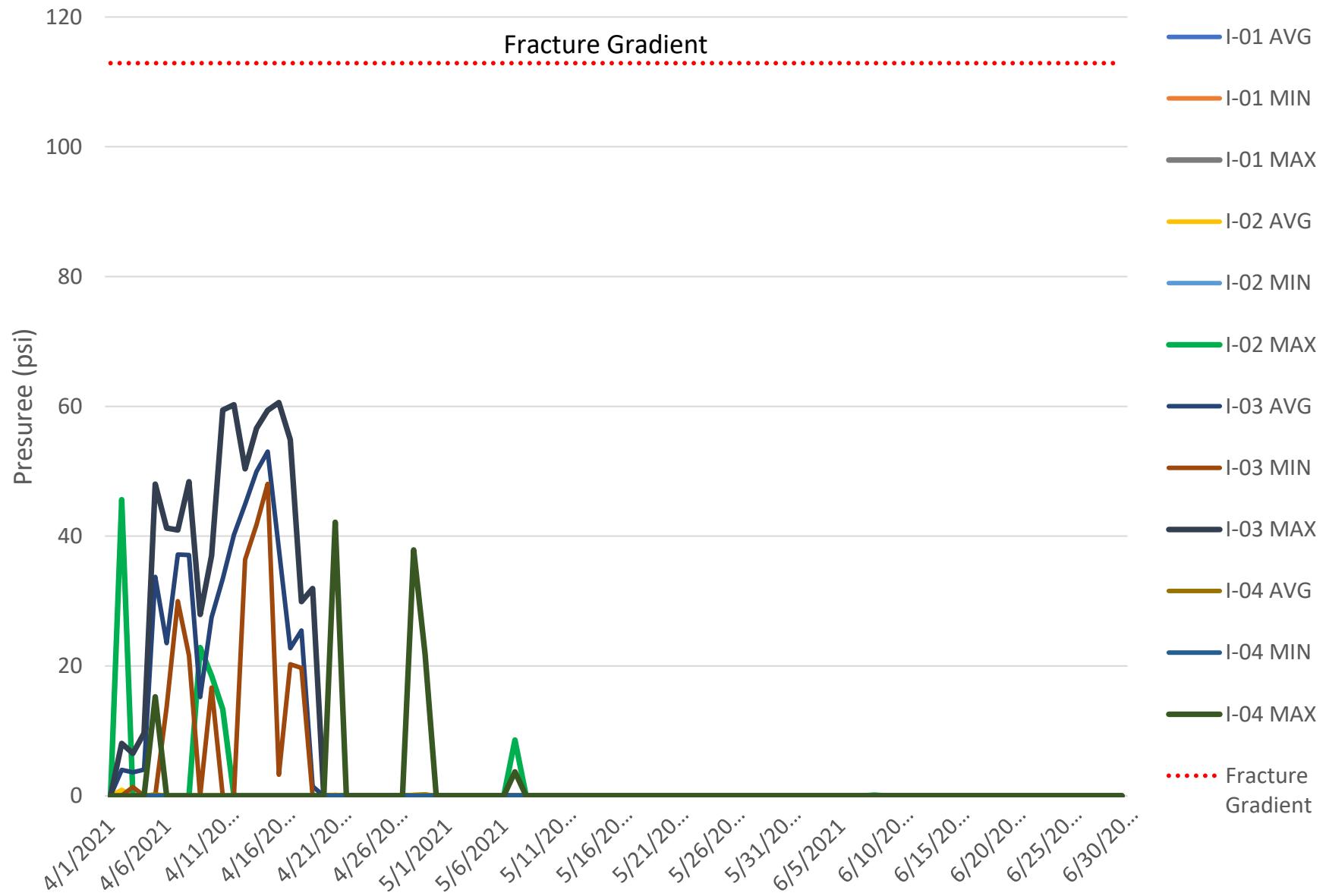
NM = Not measured or otherwise not available

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

P-Wellhead = P-TOS - P-Col = [P-Frac x D-TOS] - [D-TOS / Conv] Where:

|            |  |                            |        |                   |
|------------|--|----------------------------|--------|-------------------|
| P-Fracture | = Pressure allowed at the top of the injection well screen (TOS) | =                          | 0.65   | psi/foot of depth |
| D-TOS      | = Depth to top of injection well screens                         | =                          | 520    | feet              |
| P-TOS      | = Total pressure allowed at top of screen = P-Fracture x D-TOS   | = 0.65 psi/foot x 520 feet | 338    | psi               |
| Conv       | = Feet of Water per psi  | =                          | 2.31   | feet/psi          |
| P-Col      | = Pressure from weight of water column at TOS                    | = 520 feet / 2.31 feet/psi | 225.11 | psi               |
| P-Wellhead | = Allowable pressure at the top of the wellhead = P-TOS - P-Col  | = 338 psi - 255.1 psi      | 112.89 | psi               |

Figure 1. Daily Wellhead Pressures - Injection Wells



**Q2 2021 DAILY CASING ANNULUS PRESSURES - INJECTION WELLS**

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

**Table 4. April 2021 Casing Annulus Pressure**

| Date      | I-01 |      |      | I-02 |      |      | I-03 |      |      | I-04 |      |      | Fracture Gradient |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|
|           | Avg  | Min  | Max  |                   |
| 4/1/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/2/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/3/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/4/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/5/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/6/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/7/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/8/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/9/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/10/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/11/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/12/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/13/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/14/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/15/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/16/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/17/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/18/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/19/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/20/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/21/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/22/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/23/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/24/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/25/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/26/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/27/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/28/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/29/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 4/30/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |

**Notes:**

All measurements in pounds per square inch (psi)

**Q2 2021 DAILY CASING ANNULUS PRESSURES - INJECTION WELLS**

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

**Table 5. May 2021 Casing Annulus Pressure**

| Date      | I-01 |      |      | I-02 |      |      | I-03 |      |      | I-04 |      |      | Fracture Gradient |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|
|           | Avg  | Min  | Max  |                   |
| 5/1/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/2/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/3/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/4/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/5/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/6/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/7/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/8/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/9/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/10/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/11/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/12/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/13/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/14/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/15/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/16/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/17/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/18/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/19/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/20/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/21/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/22/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/23/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/24/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/25/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/26/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/27/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/28/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/29/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/30/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 5/31/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |

**Notes:**

All measurements in pounds per square inch (psi)

**Q2 2021 DAILY CASING ANNULUS PRESSURES - INJECTION WELLS**

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FLORENCE COPPER INC.

FLORENCE, ARIZONA

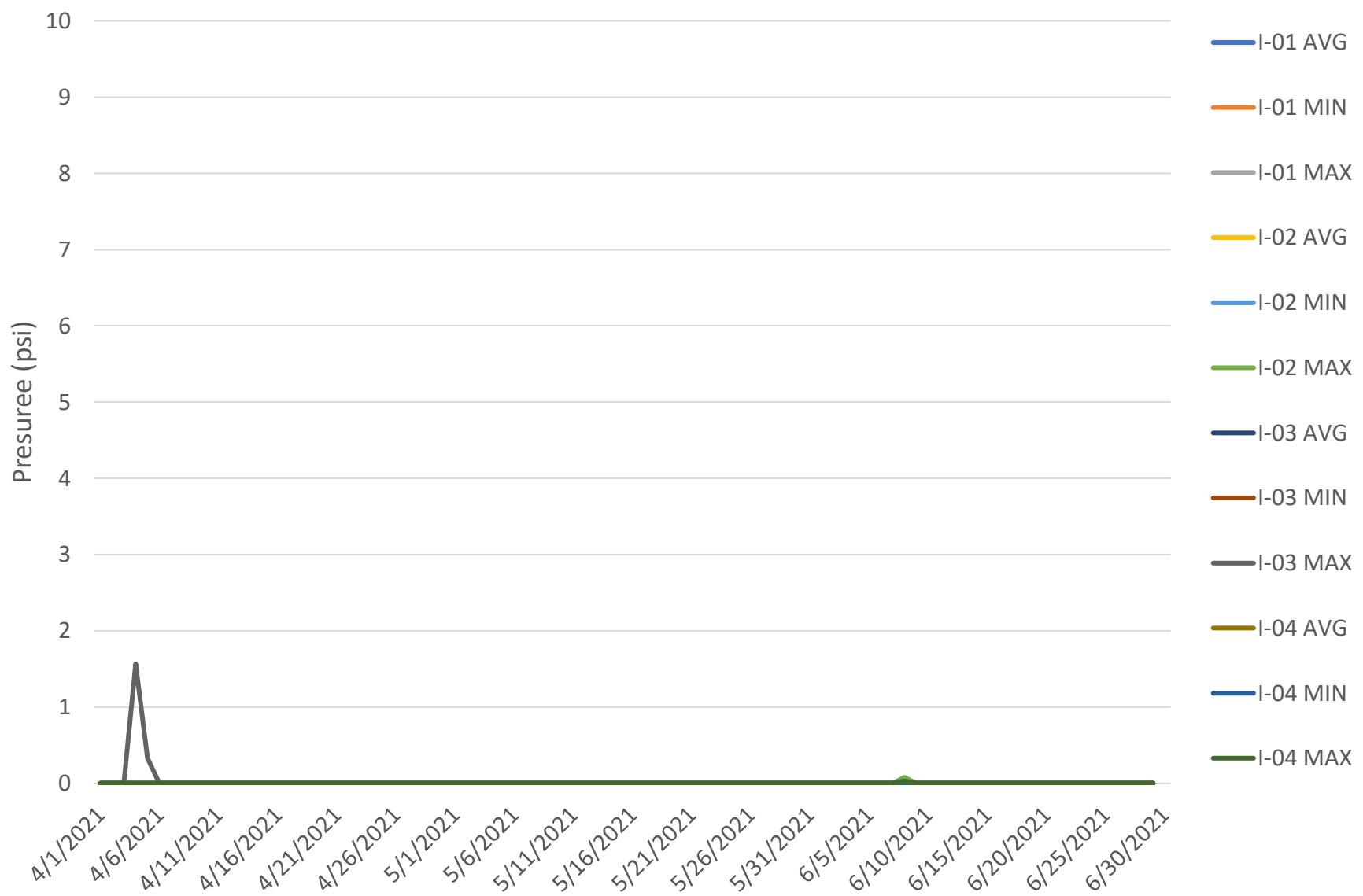
**Table 6. June 2021 Casing Annulus Pressure**

| Date      | I-01 |      |      | I-02 |      |      | I-03 |      |      | I-04 |      |      | Fracture Gradient |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|
|           | Avg  | Min  | Max  |                   |
| 6/1/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/2/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/3/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/4/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/5/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/6/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/7/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/8/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/9/2021  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/10/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/11/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/12/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/13/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/14/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/15/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/16/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/17/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/18/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/19/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/20/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/21/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/22/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/23/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/24/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/25/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/26/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/27/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/28/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/29/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |
| 6/30/2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.89            |

**Notes:**

All measurements in pounds per square inch (psi)

Figure 2. Daily Casing Annulus Pressures - Injection Wells



**ATTACHMENT 12**

**Results for Monthly Treated Water Samples**

**Q2 2021**

**MONTHLY ISCR WELLFIELD WATER ANALYTICAL RESULTS**

FLORENCE COPPER INC.

FLORENCE, ARIZONA

**Table 1. Treated ISCR Wellfield Water**

| Monitoring Parameters                 | Maximum Ambient Water Quality <sup>(1)</sup> | Analytical Results |                   |                   |
|---------------------------------------|--|--------------------|-------------------|-------------------|
|                                       |  | 4/14/2021          | 5/20/2021         | 6/16/2021         |
| <b>Metals</b>                         |  |                    |                   |                   |
| Aluminum                              | 0.08   | < 2.0              | < 2.0             | < 2.0             |
| Antimony                              | 0.0005                                       | < 0.20             | < 0.20            | < 0.20            |
| Arsenic                               | 0.0029                                       | < 0.040            | < 0.040           | < 0.040           |
| Barium                                | 0.11   | < 0.050            | < 0.050           | < 0.050           |
| Beryllium                             | 0.0005                                       | < 0.0020           | < 0.0020          | < 0.0020          |
| Cadmium                               | 0.0014                                       | < 0.0020           | < 0.0020          | < 0.0020          |
| Chromium                              | 0.01   | < 0.030            | < 0.030           | < 0.030           |
| Cobalt                                | 0.0081                                       | < 0.10             | < 0.10            | < 0.10            |
| Copper                                | 1.9  | 1.9                | 1.7               | 5.2               |
| Iron                                  | 0.3  | < 0.30             | < 0.30            | < 0.30            |
| Lead                                  | 0.001  | < 0.040            | < 0.040           | < 0.040           |
| Magnesium                             | 30   | < 3.0              | < 3.0             | 3.9               |
| Manganese                             | 0.12   | 0.057              | 0.16              | 0.15              |
| Mercury                               | 0.001  | < 0.0010           | < 0.0010          | < 0.0010          |
| Molybdenum                            | --   | < 0.010            | < 0.010           | < 0.010           |
| Nickel                                | 0.015  | < 0.050            | < 0.050           | < 0.050           |
| Selenium                              | 0.0039                                       | < 0.040            | < 0.040           | < 0.040           |
| Thallium                              | 0.001  | < 0.050            | < 0.050           | < 0.050           |
| Uranium                               | --   | 0.0033             | 0.0033            | 0.01              |
| Zinc                                  | 1.9  | < 0.040            | 0.08              | < 0.040           |
| <b>Inorganic Parameters</b>           |  |                    |                   |                   |
| Total Alkalinity                      | 220  | NA <sup>(2)</sup>  | NA <sup>(2)</sup> | NA <sup>(2)</sup> |
| Bicarbonate                           | 220  | NA <sup>(2)</sup>  | NA <sup>(2)</sup> | NA <sup>(2)</sup> |
| Carbonate                             | 20   | NA <sup>(2)</sup>  | NA <sup>(2)</sup> | NA <sup>(2)</sup> |
| Hydroxide                             | 2  | NA <sup>(2)</sup>  | NA <sup>(2)</sup> | NA <sup>(2)</sup> |
| pH (pH Units)                         | 8.7  | 2.55               | 2.67              | 2.56              |
| Temperature (°C)                      | 32.4   | 29.6               | 39.3              | 32.4              |
| Conductivity                          | 1800   | 1364               | 1053              | 1475              |
| Calcium                               | 140  | <4.0               | <4.0              | 5.2               |
| Chloride                              | 340  | 94                 | 81                | 120               |
| Fluoride                              | 0.89   | <0.5               | 0.34              | 0.55              |
| Potassium                             | 11   | <5.0               | <5.0              | <5.0              |
| Sodium                                | 180  | <5.0               | <5.0              | <5.0              |
| TDS                                   | 1100   | 40                 | 44                | 85                |
| Nitrate (as N)                        | 9.7  | 4.2                | 3.1               | 3.9               |
| Nitrite (as N)                        | 0.1  | < 0.10             | < 0.10            | < 0.10            |
| <b>Organic Parameters</b>             |  |                    |                   |                   |
| Sulfate                               | 230  | 170                | 170               | 530               |
| Benzene                               | 0.063  | <0.50              | <0.50             | <0.50             |
| Ethylbenzene                          | 0.054  | <0.50              | <0.50             | <0.50             |
| Naphthalene                           | --   | <2.0               | <2.0              | <2.0              |
| n-octane                              | --   | <0.50              | <0.50             | <0.50             |
| Toluene                               | 0.057  | <0.50              | <0.50             | 0.77              |
| Total Xylene                          | 0.13   | <1.5               | <1.5              | <1.5              |
| Total Petroleum Hydrocarbons - Diesel | 0.17   | <0.10              | <0.10             | <0.10             |
| <b>Radionuclide Parameters</b>        |  |                    |                   |                   |
| Gross Alpha (pCi/L)                   | 2.8  | < 2.3              | 3.3 ± 0.9         | 8.2 ± 1.0         |
| Uranium isotopes (total) (pCi/L)      | 30.2   | 2.0 ± 0.5          | 4.3 ± 1.5         | 8.2 ± 1.0         |
| Adjusted Gross Alpha (pCi/L)          | 15.4   | < 1.0              | < 1.0             | < 1.0             |
| Gross Beta (pCi/L)                    | --   | < 2.3              | < 2.2             | < 2.2             |
| Radium Isotopes 226+228 (pCi/L)       | 6.2  | < 0.8              | < 0.7             | < 0.7             |
| Radon (pCi/L)                         | --   | 2392.9 ± 240.5     | 4107.6 ± 412.7    | 4715.5 ± 472.6    |

**Notes:**

(1) Maximum ambient water quality at the site pre-operation.

(2) Alkalinity analysis was not reported due to matrix interference. Sample pH was less than 4.5.

All results in milligrams per liter (mg/L) unless otherwise noted.

Non-detects are reported to the laboratory reporting limit

Radionuclide data presented as result ± uncertainty

ISCR = in-situ copper recovery

pCi/L = picocuries per liter

**ATTACHMENT 13**

**Migratory Bird Landings**

**ATTACHMENT 13****Q2 2021 OBSERVED MIGRATORY BIRD LANDINGS**

FLORENCE COPPER INC.

FLORENCE, ARIZONA

| Date      | Migratory Bird Species | Comments:  | Fatality (Y or N) |
|-----------|------------------------|--|-------------------|
| 5/11/2021 | White Pelicans         | Approximately 30 pelicans landed on the pond and flew off after 2 hours. | N                 |

**Notes:**

*Florence Copper personnel conduct daily inspections of the Process Solution Impoundment.*